

Sun

VTMM

Location: E100°56'00.0", N15°04'00.0", 250m
(Longitude referred to Greenwich meridian)

Time Zone: 7h 00m east of Greenwich

Date (Zone)	Begin Nautical Twilight	Rise	Az.	Transit Alt.	Set	Az.	End Nautical Twilight
	h m	h m °		h m °	h m °		h m
2025 Jan 01 (Wed)	05:52	06:42 114		12:20 53S	17:58 246		18:47
2025 Jan 02 (Thu)	05:53	06:43 114		12:20 53S	17:58 247		18:48
2025 Jan 03 (Fri)	05:53	06:43 113		12:21 53S	17:59 247		18:49
2025 Jan 04 (Sat)	05:53	06:43 113		12:21 53S	17:59 247		18:49
2025 Jan 05 (Sun)	05:54	06:44 113		12:22 53S	18:00 247		18:50
2025 Jan 06 (Mon)	05:54	06:44 113		12:22 53S	18:00 247		18:50
2025 Jan 07 (Tue)	05:54	06:44 113		12:23 53S	18:01 247		18:51
2025 Jan 08 (Wed)	05:55	06:44 113		12:23 53S	18:02 247		18:51
2025 Jan 09 (Thu)	05:55	06:45 113		12:23 54S	18:02 247		18:52
2025 Jan 10 (Fri)	05:55	06:45 113		12:24 54S	18:03 248		18:52
2025 Jan 11 (Sat)	05:56	06:45 112		12:24 54S	18:03 248		18:53
2025 Jan 12 (Sun)	05:56	06:45 112		12:25 54S	18:04 248		18:53
2025 Jan 13 (Mon)	05:56	06:45 112		12:25 54S	18:05 248		18:54
2025 Jan 14 (Tue)	05:56	06:46 112		12:25 54S	18:05 248		18:54
2025 Jan 15 (Wed)	05:56	06:46 112		12:26 55S	18:06 248		18:55
2025 Jan 16 (Thu)	05:57	06:46 111		12:26 55S	18:06 249		18:55
2025 Jan 17 (Fri)	05:57	06:46 111		12:26 55S	18:07 249		18:56
2025 Jan 18 (Sat)	05:57	06:46 111		12:27 55S	18:07 249		18:56
2025 Jan 19 (Sun)	05:57	06:46 111		12:27 55S	18:08 249		18:57
2025 Jan 20 (Mon)	05:57	06:46 111		12:27 56S	18:09 249		18:57
2025 Jan 21 (Tue)	05:57	06:46 110		12:28 56S	18:09 250		18:58
2025 Jan 22 (Wed)	05:57	06:46 110		12:28 56S	18:10 250		18:58
2025 Jan 23 (Thu)	05:57	06:46 110		12:28 56S	18:10 250		18:59
2025 Jan 24 (Fri)	05:57	06:46 110		12:28 56S	18:11 250		18:59
2025 Jan 25 (Sat)	05:57	06:46 109		12:29 57S	18:11 251		19:00
2025 Jan 26 (Sun)	05:57	06:46 109		12:29 57S	18:12 251		19:00
2025 Jan 27 (Mon)	05:57	06:46 109		12:29 57S	18:12 251		19:01
2025 Jan 28 (Tue)	05:57	06:46 109		12:29 58S	18:13 252		19:01
2025 Jan 29 (Wed)	05:57	06:46 108		12:29 58S	18:13 252		19:02
2025 Jan 30 (Thu)	05:57	06:46 108		12:30 58S	18:14 252		19:02
2025 Jan 31 (Fri)	05:57	06:45 108		12:30 58S	18:14 252		19:02
2025 Feb 01 (Sat)	05:57	06:45 107		12:30 59S	18:15 253		19:03
2025 Feb 02 (Sun)	05:57	06:45 107		12:30 59S	18:15 253		19:03
2025 Feb 03 (Mon)	05:57	06:45 107		12:30 59S	18:16 253		19:04
2025 Feb 04 (Tue)	05:57	06:44 107		12:30 59S	18:16 254		19:04
2025 Feb 05 (Wed)	05:56	06:44 106		12:30 60S	18:16 254		19:04
2025 Feb 06 (Thu)	05:56	06:44 106		12:30 60S	18:17 254		19:05
2025 Feb 07 (Fri)	05:56	06:44 106		12:30 60S	18:17 255		19:05
2025 Feb 08 (Sat)	05:56	06:43 105		12:30 61S	18:18 255		19:05
2025 Feb 09 (Sun)	05:55	06:43 105		12:30 61S	18:18 255		19:06
2025 Feb 10 (Mon)	05:55	06:43 105		12:30 61S	18:18 256		19:06
2025 Feb 11 (Tue)	05:55	06:42 104		12:30 62S	18:19 256		19:06
2025 Feb 12 (Wed)	05:55	06:42 104		12:30 62S	18:19 256		19:07
2025 Feb 13 (Thu)	05:54	06:42 104		12:30 62S	18:20 257		19:07
2025 Feb 14 (Fri)	05:54	06:41 103		12:30 63S	18:20 257		19:07
2025 Feb 15 (Sat)	05:54	06:41 103		12:30 63S	18:20 257		19:07
2025 Feb 16 (Sun)	05:53	06:40 103		12:30 63S	18:21 258		19:08
2025 Feb 17 (Mon)	05:53	06:40 102		12:30 64S	18:21 258		19:08
2025 Feb 18 (Tue)	05:52	06:39 102		12:30 64S	18:21 258		19:08
2025 Feb 19 (Wed)	05:52	06:39 101		12:30 64S	18:21 259		19:08
2025 Feb 20 (Thu)	05:51	06:38 101		12:30 65S	18:22 259		19:09
2025 Feb 21 (Fri)	05:51	06:38 101		12:30 65S	18:22 259		19:09
2025 Feb 22 (Sat)	05:51	06:37 100		12:30 66S	18:22 260		19:09
2025 Feb 23 (Sun)	05:50	06:37 100		12:30 66S	18:23 260		19:09
2025 Feb 24 (Mon)	05:50	06:36 100		12:29 66S	18:23 261		19:10

2025	Feb	25	(Tue)	05:49	06:36	99	12:29	67S	18:23	261	19:10
2025	Feb	26	(Wed)	05:49	06:35	99	12:29	67S	18:23	261	19:10
2025	Feb	27	(Thu)	05:48	06:35	98	12:29	67S	18:24	262	19:10
2025	Feb	28	(Fri)	05:47	06:34	98	12:29	68S	18:24	262	19:10
2025	Mar	01	(Sat)	05:47	06:33	98	12:29	68S	18:24	263	19:11
2025	Mar	02	(Sun)	05:46	06:33	97	12:28	69S	18:24	263	19:11
2025	Mar	03	(Mon)	05:46	06:32	97	12:28	69S	18:24	263	19:11
2025	Mar	04	(Tue)	05:45	06:32	96	12:28	69S	18:25	264	19:11
2025	Mar	05	(Wed)	05:44	06:31	96	12:28	70S	18:25	264	19:11
2025	Mar	06	(Thu)	05:44	06:30	96	12:28	70S	18:25	265	19:11
2025	Mar	07	(Fri)	05:43	06:30	95	12:27	70S	18:25	265	19:12
2025	Mar	08	(Sat)	05:43	06:29	95	12:27	71S	18:25	265	19:12
2025	Mar	09	(Sun)	05:42	06:28	94	12:27	71S	18:26	266	19:12
2025	Mar	10	(Mon)	05:41	06:28	94	12:27	72S	18:26	266	19:12
2025	Mar	11	(Tue)	05:41	06:27	94	12:26	72S	18:26	267	19:12
2025	Mar	12	(Wed)	05:40	06:26	93	12:26	72S	18:26	267	19:12
2025	Mar	13	(Thu)	05:39	06:25	93	12:26	73S	18:26	267	19:12
2025	Mar	14	(Fri)	05:39	06:25	92	12:25	73S	18:26	268	19:13
2025	Mar	15	(Sat)	05:38	06:24	92	12:25	74S	18:26	268	19:13
2025	Mar	16	(Sun)	05:37	06:23	92	12:25	74S	18:27	269	19:13
2025	Mar	17	(Mon)	05:36	06:23	91	12:25	74S	18:27	269	19:13
2025	Mar	18	(Tue)	05:36	06:22	91	12:24	75S	18:27	269	19:13
2025	Mar	19	(Wed)	05:35	06:21	90	12:24	75S	18:27	270	19:13
2025	Mar	20	(Thu)	05:34	06:21	90	12:24	76S	18:27	270	19:13
2025	Mar	21	(Fri)	05:34	06:20	90	12:23	76S	18:27	271	19:14
2025	Mar	22	(Sat)	05:33	06:19	89	12:23	76S	18:27	271	19:14
2025	Mar	23	(Sun)	05:32	06:18	89	12:23	77S	18:28	271	19:14
2025	Mar	24	(Mon)	05:31	06:18	88	12:23	77S	18:28	272	19:14
2025	Mar	25	(Tue)	05:31	06:17	88	12:22	78S	18:28	272	19:14
2025	Mar	26	(Wed)	05:30	06:16	87	12:22	78S	18:28	273	19:14
2025	Mar	27	(Thu)	05:29	06:15	87	12:22	78S	18:28	273	19:14
2025	Mar	28	(Fri)	05:28	06:15	87	12:21	79S	18:28	274	19:15
2025	Mar	29	(Sat)	05:28	06:14	86	12:21	79S	18:28	274	19:15
2025	Mar	30	(Sun)	05:27	06:13	86	12:21	80S	18:28	274	19:15
2025	Mar	31	(Mon)	05:26	06:13	85	12:20	80S	18:28	275	19:15
2025	Apr	01	(Tue)	05:25	06:12	85	12:20	80S	18:29	275	19:15
2025	Apr	02	(Wed)	05:25	06:11	85	12:20	81S	18:29	276	19:15
2025	Apr	03	(Thu)	05:24	06:10	84	12:20	81S	18:29	276	19:16
2025	Apr	04	(Fri)	05:23	06:10	84	12:19	81S	18:29	276	19:16
2025	Apr	05	(Sat)	05:22	06:09	83	12:19	82S	18:29	277	19:16
2025	Apr	06	(Sun)	05:22	06:08	83	12:19	82S	18:29	277	19:16
2025	Apr	07	(Mon)	05:21	06:08	83	12:18	83S	18:29	277	19:16
2025	Apr	08	(Tue)	05:20	06:07	82	12:18	83S	18:30	278	19:16
2025	Apr	09	(Wed)	05:19	06:06	82	12:18	83S	18:30	278	19:17
2025	Apr	10	(Thu)	05:19	06:06	82	12:18	84S	18:30	279	19:17
2025	Apr	11	(Fri)	05:18	06:05	81	12:17	84S	18:30	279	19:17
2025	Apr	12	(Sat)	05:17	06:04	81	12:17	84S	18:30	279	19:17
2025	Apr	13	(Sun)	05:16	06:04	80	12:17	85S	18:30	280	19:17
2025	Apr	14	(Mon)	05:16	06:03	80	12:17	85S	18:30	280	19:18
2025	Apr	15	(Tue)	05:15	06:02	80	12:16	85S	18:31	281	19:18
2025	Apr	16	(Wed)	05:14	06:02	79	12:16	86S	18:31	281	19:18
2025	Apr	17	(Thu)	05:14	06:01	79	12:16	86S	18:31	281	19:18
2025	Apr	18	(Fri)	05:13	06:00	79	12:16	87S	18:31	282	19:19
2025	Apr	19	(Sat)	05:12	06:00	78	12:15	87S	18:31	282	19:19
2025	Apr	20	(Sun)	05:11	05:59	78	12:15	87S	18:31	282	19:19
2025	Apr	21	(Mon)	05:11	05:59	77	12:15	88S	18:32	283	19:19
2025	Apr	22	(Tue)	05:10	05:58	77	12:15	88S	18:32	283	19:20
2025	Apr	23	(Wed)	05:10	05:57	77	12:15	88S	18:32	283	19:20
2025	Apr	24	(Thu)	05:09	05:57	76	12:14	89S	18:32	284	19:20
2025	Apr	25	(Fri)	05:08	05:56	76	12:14	89S	18:32	284	19:20
2025	Apr	26	(Sat)	05:08	05:56	76	12:14	89S	18:33	284	19:21
2025	Apr	27	(Sun)	05:07	05:55	75	12:14	90S	18:33	285	19:21
2025	Apr	28	(Mon)	05:06	05:55	75	12:14	90S	18:33	285	19:21
2025	Apr	29	(Tue)	05:06	05:54	75	12:14	90S	18:33	285	19:22
2025	Apr	30	(Wed)	05:05	05:54	74	12:13	90S	18:33	286	19:22
2025	May	01	(Thu)	05:05	05:53	74	12:13	91N	18:34	286	19:22
2025	May	02	(Fri)	05:04	05:53	74	12:13	90N	18:34	286	19:23

2025	May	03	(Sat)	05:04	05:52	74	12:13	90N	18:34	287	19:23
2025	May	04	(Sun)	05:03	05:52	73	12:13	90N	18:34	287	19:23
2025	May	05	(Mon)	05:03	05:51	73	12:13	89N	18:35	287	19:24
2025	May	06	(Tue)	05:02	05:51	73	12:13	89N	18:35	288	19:24
2025	May	07	(Wed)	05:02	05:51	72	12:13	89N	18:35	288	19:24
2025	May	08	(Thu)	05:01	05:50	72	12:13	89N	18:36	288	19:25
2025	May	09	(Fri)	05:01	05:50	72	12:13	88N	18:36	288	19:25
2025	May	10	(Sat)	05:00	05:49	71	12:13	88N	18:36	289	19:25
2025	May	11	(Sun)	05:00	05:49	71	12:13	88N	18:36	289	19:26
2025	May	12	(Mon)	04:59	05:49	71	12:13	88N	18:37	289	19:26
2025	May	13	(Tue)	04:59	05:48	71	12:13	87N	18:37	289	19:27
2025	May	14	(Wed)	04:58	05:48	70	12:13	87N	18:37	290	19:27
2025	May	15	(Thu)	04:58	05:48	70	12:13	87N	18:38	290	19:27
2025	May	16	(Fri)	04:58	05:48	70	12:13	87N	18:38	290	19:28
2025	May	17	(Sat)	04:57	05:47	70	12:13	86N	18:38	290	19:28
2025	May	18	(Sun)	04:57	05:47	69	12:13	86N	18:38	291	19:29
2025	May	19	(Mon)	04:57	05:47	69	12:13	86N	18:39	291	19:29
2025	May	20	(Tue)	04:56	05:47	69	12:13	86N	18:39	291	19:29
2025	May	21	(Wed)	04:56	05:46	69	12:13	86N	18:39	291	19:30
2025	May	22	(Thu)	04:56	05:46	69	12:13	85N	18:40	291	19:30
2025	May	23	(Fri)	04:56	05:46	68	12:13	85N	18:40	292	19:31
2025	May	24	(Sat)	04:55	05:46	68	12:13	85N	18:40	292	19:31
2025	May	25	(Sun)	04:55	05:46	68	12:13	85N	18:41	292	19:31
2025	May	26	(Mon)	04:55	05:46	68	12:13	85N	18:41	292	19:32
2025	May	27	(Tue)	04:55	05:46	68	12:13	84N	18:41	292	19:32
2025	May	28	(Wed)	04:55	05:46	67	12:14	84N	18:42	293	19:33
2025	May	29	(Thu)	04:55	05:45	67	12:14	84N	18:42	293	19:33
2025	May	30	(Fri)	04:54	05:45	67	12:14	84N	18:42	293	19:33
2025	May	31	(Sat)	04:54	05:45	67	12:14	84N	18:43	293	19:34
2025	Jun	01	(Sun)	04:54	05:45	67	12:14	84N	18:43	293	19:34
2025	Jun	02	(Mon)	04:54	05:45	67	12:14	84N	18:43	293	19:35
2025	Jun	03	(Tue)	04:54	05:45	67	12:14	83N	18:44	293	19:35
2025	Jun	04	(Wed)	04:54	05:45	66	12:15	83N	18:44	294	19:35
2025	Jun	05	(Thu)	04:54	05:45	66	12:15	83N	18:44	294	19:36
2025	Jun	06	(Fri)	04:54	05:45	66	12:15	83N	18:45	294	19:36
2025	Jun	07	(Sat)	04:54	05:45	66	12:15	83N	18:45	294	19:36
2025	Jun	08	(Sun)	04:54	05:46	66	12:15	83N	18:45	294	19:37
2025	Jun	09	(Mon)	04:54	05:46	66	12:16	83N	18:46	294	19:37
2025	Jun	10	(Tue)	04:54	05:46	66	12:16	83N	18:46	294	19:37
2025	Jun	11	(Wed)	04:54	05:46	66	12:16	83N	18:46	294	19:38
2025	Jun	12	(Thu)	04:54	05:46	66	12:16	83N	18:46	294	19:38
2025	Jun	13	(Fri)	04:54	05:46	66	12:16	83N	18:47	294	19:38
2025	Jun	14	(Sat)	04:55	05:46	66	12:17	83N	18:47	294	19:39
2025	Jun	15	(Sun)	04:55	05:46	66	12:17	82N	18:47	294	19:39
2025	Jun	16	(Mon)	04:55	05:46	66	12:17	82N	18:48	294	19:39
2025	Jun	17	(Tue)	04:55	05:47	65	12:17	82N	18:48	295	19:39
2025	Jun	18	(Wed)	04:55	05:47	65	12:17	82N	18:48	295	19:40
2025	Jun	19	(Thu)	04:55	05:47	65	12:18	82N	18:48	295	19:40
2025	Jun	20	(Fri)	04:56	05:47	65	12:18	82N	18:48	295	19:40
2025	Jun	21	(Sat)	04:56	05:47	65	12:18	82N	18:49	295	19:40
2025	Jun	22	(Sun)	04:56	05:48	65	12:18	82N	18:49	295	19:41
2025	Jun	23	(Mon)	04:56	05:48	65	12:19	82N	18:49	295	19:41
2025	Jun	24	(Tue)	04:56	05:48	65	12:19	82N	18:49	295	19:41
2025	Jun	25	(Wed)	04:57	05:48	65	12:19	82N	18:49	295	19:41
2025	Jun	26	(Thu)	04:57	05:49	66	12:19	82N	18:50	294	19:41
2025	Jun	27	(Fri)	04:57	05:49	66	12:19	82N	18:50	294	19:41
2025	Jun	28	(Sat)	04:58	05:49	66	12:20	83N	18:50	294	19:42
2025	Jun	29	(Sun)	04:58	05:49	66	12:20	83N	18:50	294	19:42
2025	Jun	30	(Mon)	04:58	05:50	66	12:20	83N	18:50	294	19:42
2025	Jul	01	(Tue)	04:58	05:50	66	12:20	83N	18:50	294	19:42
2025	Jul	02	(Wed)	04:59	05:50	66	12:20	83N	18:50	294	19:42
2025	Jul	03	(Thu)	04:59	05:51	66	12:21	83N	18:50	294	19:42
2025	Jul	04	(Fri)	04:59	05:51	66	12:21	83N	18:51	294	19:42
2025	Jul	05	(Sat)	05:00	05:51	66	12:21	83N	18:51	294	19:42
2025	Jul	06	(Sun)	05:00	05:51	66	12:21	83N	18:51	294	19:42
2025	Jul	07	(Mon)	05:00	05:52	66	12:21	83N	18:51	294	19:42
2025	Jul	08	(Tue)	05:01	05:52	66	12:21	83N	18:51	293	19:42

2025	Jul	09	(Wed)	05:01	05:52	67	12:22	83N	18:51	293	19:42
2025	Jul	10	(Thu)	05:01	05:53	67	12:22	84N	18:51	293	19:42
2025	Jul	11	(Fri)	05:02	05:53	67	12:22	84N	18:51	293	19:42
2025	Jul	12	(Sat)	05:02	05:53	67	12:22	84N	18:51	293	19:42
2025	Jul	13	(Sun)	05:03	05:54	67	12:22	84N	18:50	293	19:41
2025	Jul	14	(Mon)	05:03	05:54	67	12:22	84N	18:50	293	19:41
2025	Jul	15	(Tue)	05:03	05:54	67	12:22	84N	18:50	292	19:41
2025	Jul	16	(Wed)	05:04	05:54	68	12:22	84N	18:50	292	19:41
2025	Jul	17	(Thu)	05:04	05:55	68	12:22	85N	18:50	292	19:41
2025	Jul	18	(Fri)	05:04	05:55	68	12:23	85N	18:50	292	19:40
2025	Jul	19	(Sat)	05:05	05:55	68	12:23	85N	18:50	292	19:40
2025	Jul	20	(Sun)	05:05	05:56	68	12:23	85N	18:50	292	19:40
2025	Jul	21	(Mon)	05:06	05:56	69	12:23	85N	18:49	291	19:40
2025	Jul	22	(Tue)	05:06	05:56	69	12:23	86N	18:49	291	19:39
2025	Jul	23	(Wed)	05:06	05:57	69	12:23	86N	18:49	291	19:39
2025	Jul	24	(Thu)	05:07	05:57	69	12:23	86N	18:49	291	19:39
2025	Jul	25	(Fri)	05:07	05:57	69	12:23	86N	18:48	290	19:38
2025	Jul	26	(Sat)	05:07	05:57	70	12:23	86N	18:48	290	19:38
2025	Jul	27	(Sun)	05:08	05:58	70	12:23	87N	18:48	290	19:38
2025	Jul	28	(Mon)	05:08	05:58	70	12:23	87N	18:48	290	19:37
2025	Jul	29	(Tue)	05:08	05:58	70	12:23	87N	18:47	290	19:37
2025	Jul	30	(Wed)	05:09	05:58	71	12:23	87N	18:47	289	19:36
2025	Jul	31	(Thu)	05:09	05:59	71	12:23	88N	18:47	289	19:36
2025	Aug	01	(Fri)	05:09	05:59	71	12:23	88N	18:46	289	19:36
2025	Aug	02	(Sat)	05:10	05:59	71	12:23	88N	18:46	289	19:35
2025	Aug	03	(Sun)	05:10	05:59	72	12:23	88N	18:45	288	19:35
2025	Aug	04	(Mon)	05:10	06:00	72	12:22	89N	18:45	288	19:34
2025	Aug	05	(Tue)	05:11	06:00	72	12:22	89N	18:45	288	19:34
2025	Aug	06	(Wed)	05:11	06:00	72	12:22	89N	18:44	287	19:33
2025	Aug	07	(Thu)	05:11	06:00	73	12:22	89N	18:44	287	19:33
2025	Aug	08	(Fri)	05:12	06:01	73	12:22	90N	18:43	287	19:32
2025	Aug	09	(Sat)	05:12	06:01	73	12:22	90N	18:43	287	19:31
2025	Aug	10	(Sun)	05:12	06:01	74	12:22	90N	18:42	286	19:31
2025	Aug	11	(Mon)	05:13	06:01	74	12:22	91N	18:42	286	19:30
2025	Aug	12	(Tue)	05:13	06:01	74	12:21	91S	18:41	286	19:30
2025	Aug	13	(Wed)	05:13	06:02	75	12:21	90S	18:41	285	19:29
2025	Aug	14	(Thu)	05:13	06:02	75	12:21	90S	18:40	285	19:28
2025	Aug	15	(Fri)	05:14	06:02	75	12:21	90S	18:40	285	19:28
2025	Aug	16	(Sat)	05:14	06:02	76	12:21	89S	18:39	284	19:27
2025	Aug	17	(Sun)	05:14	06:02	76	12:20	89S	18:38	284	19:26
2025	Aug	18	(Mon)	05:14	06:02	76	12:20	89S	18:38	284	19:26
2025	Aug	19	(Tue)	05:15	06:02	77	12:20	88S	18:37	283	19:25
2025	Aug	20	(Wed)	05:15	06:03	77	12:20	88S	18:37	283	19:24
2025	Aug	21	(Thu)	05:15	06:03	77	12:19	88S	18:36	283	19:24
2025	Aug	22	(Fri)	05:15	06:03	78	12:19	87S	18:35	282	19:23
2025	Aug	23	(Sat)	05:15	06:03	78	12:19	87S	18:35	282	19:22
2025	Aug	24	(Sun)	05:16	06:03	78	12:19	87S	18:34	282	19:22
2025	Aug	25	(Mon)	05:16	06:03	79	12:18	86S	18:33	281	19:21
2025	Aug	26	(Tue)	05:16	06:03	79	12:18	86S	18:33	281	19:20
2025	Aug	27	(Wed)	05:16	06:03	79	12:18	86S	18:32	280	19:19
2025	Aug	28	(Thu)	05:16	06:04	80	12:18	85S	18:31	280	19:19
2025	Aug	29	(Fri)	05:16	06:04	80	12:17	85S	18:31	280	19:18
2025	Aug	30	(Sat)	05:17	06:04	80	12:17	85S	18:30	279	19:17
2025	Aug	31	(Sun)	05:17	06:04	81	12:17	84S	18:29	279	19:16
2025	Sep	01	(Mon)	05:17	06:04	81	12:16	84S	18:28	279	19:15
2025	Sep	02	(Tue)	05:17	06:04	82	12:16	83S	18:28	278	19:15
2025	Sep	03	(Wed)	05:17	06:04	82	12:16	83S	18:27	278	19:14
2025	Sep	04	(Thu)	05:17	06:04	82	12:15	83S	18:26	277	19:13
2025	Sep	05	(Fri)	05:17	06:04	83	12:15	82S	18:26	277	19:12
2025	Sep	06	(Sat)	05:18	06:04	83	12:15	82S	18:25	277	19:12
2025	Sep	07	(Sun)	05:18	06:04	83	12:14	82S	18:24	276	19:11
2025	Sep	08	(Mon)	05:18	06:04	84	12:14	81S	18:23	276	19:10
2025	Sep	09	(Tue)	05:18	06:05	84	12:14	81S	18:23	276	19:09
2025	Sep	10	(Wed)	05:18	06:05	85	12:13	80S	18:22	275	19:08
2025	Sep	11	(Thu)	05:18	06:05	85	12:13	80S	18:21	275	19:08
2025	Sep	12	(Fri)	05:18	06:05	85	12:13	80S	18:20	274	19:07
2025	Sep	13	(Sat)	05:18	06:05	86	12:12	79S	18:19	274	19:06

2025 Sep 14 (Sun)	05:18	06:05	86	12:12	79S	18:19	274	19:05
2025 Sep 15 (Mon)	05:18	06:05	87	12:11	79S	18:18	273	19:04
2025 Sep 16 (Tue)	05:19	06:05	87	12:11	78S	18:17	273	19:03
2025 Sep 17 (Wed)	05:19	06:05	87	12:11	78S	18:16	272	19:03
2025 Sep 18 (Thu)	05:19	06:05	88	12:10	77S	18:16	272	19:02
2025 Sep 19 (Fri)	05:19	06:05	88	12:10	77S	18:15	272	19:01
2025 Sep 20 (Sat)	05:19	06:05	89	12:10	77S	18:14	271	19:00
2025 Sep 21 (Sun)	05:19	06:05	89	12:09	76S	18:13	271	19:00
2025 Sep 22 (Mon)	05:19	06:05	89	12:09	76S	18:12	270	18:59
2025 Sep 23 (Tue)	05:19	06:05	90	12:09	75S	18:12	270	18:58
2025 Sep 24 (Wed)	05:19	06:05	90	12:08	75S	18:11	270	18:57
2025 Sep 25 (Thu)	05:19	06:06	91	12:08	75S	18:10	269	18:56
2025 Sep 26 (Fri)	05:19	06:06	91	12:08	74S	18:09	269	18:56
2025 Sep 27 (Sat)	05:19	06:06	91	12:07	74S	18:09	268	18:55
2025 Sep 28 (Sun)	05:20	06:06	92	12:07	74S	18:08	268	18:54
2025 Sep 29 (Mon)	05:20	06:06	92	12:07	73S	18:07	268	18:53
2025 Sep 30 (Tue)	05:20	06:06	93	12:06	73S	18:06	267	18:53
2025 Oct 01 (Wed)	05:20	06:06	93	12:06	72S	18:06	267	18:52
2025 Oct 02 (Thu)	05:20	06:06	93	12:06	72S	18:05	266	18:51
2025 Oct 03 (Fri)	05:20	06:06	94	12:05	72S	18:04	266	18:51
2025 Oct 04 (Sat)	05:20	06:06	94	12:05	71S	18:03	266	18:50
2025 Oct 05 (Sun)	05:20	06:06	95	12:05	71S	18:03	265	18:49
2025 Oct 06 (Mon)	05:20	06:07	95	12:04	70S	18:02	265	18:48
2025 Oct 07 (Tue)	05:20	06:07	95	12:04	70S	18:01	264	18:48
2025 Oct 08 (Wed)	05:20	06:07	96	12:04	70S	18:01	264	18:47
2025 Oct 09 (Thu)	05:21	06:07	96	12:04	69S	18:00	264	18:46
2025 Oct 10 (Fri)	05:21	06:07	97	12:03	69S	17:59	263	18:46
2025 Oct 11 (Sat)	05:21	06:07	97	12:03	69S	17:59	263	18:45
2025 Oct 12 (Sun)	05:21	06:07	97	12:03	68S	17:58	262	18:44
2025 Oct 13 (Mon)	05:21	06:08	98	12:03	68S	17:57	262	18:44
2025 Oct 14 (Tue)	05:21	06:08	98	12:02	67S	17:57	262	18:43
2025 Oct 15 (Wed)	05:21	06:08	99	12:02	67S	17:56	261	18:43
2025 Oct 16 (Thu)	05:21	06:08	99	12:02	67S	17:55	261	18:42
2025 Oct 17 (Fri)	05:22	06:08	99	12:02	66S	17:55	260	18:42
2025 Oct 18 (Sat)	05:22	06:08	100	12:01	66S	17:54	260	18:41
2025 Oct 19 (Sun)	05:22	06:09	100	12:01	66S	17:54	260	18:40
2025 Oct 20 (Mon)	05:22	06:09	100	12:01	65S	17:53	259	18:40
2025 Oct 21 (Tue)	05:22	06:09	101	12:01	65S	17:53	259	18:39
2025 Oct 22 (Wed)	05:22	06:09	101	12:01	65S	17:52	259	18:39
2025 Oct 23 (Thu)	05:23	06:10	102	12:01	64S	17:51	258	18:38
2025 Oct 24 (Fri)	05:23	06:10	102	12:00	64S	17:51	258	18:38
2025 Oct 25 (Sat)	05:23	06:10	102	12:00	63S	17:50	258	18:38
2025 Oct 26 (Sun)	05:23	06:10	103	12:00	63S	17:50	257	18:37
2025 Oct 27 (Mon)	05:23	06:11	103	12:00	63S	17:49	257	18:37
2025 Oct 28 (Tue)	05:24	06:11	103	12:00	62S	17:49	256	18:36
2025 Oct 29 (Wed)	05:24	06:11	104	12:00	62S	17:49	256	18:36
2025 Oct 30 (Thu)	05:24	06:12	104	12:00	62S	17:48	256	18:36
2025 Oct 31 (Fri)	05:24	06:12	104	12:00	61S	17:48	255	18:35
2025 Nov 01 (Sat)	05:25	06:12	105	12:00	61S	17:47	255	18:35
2025 Nov 02 (Sun)	05:25	06:13	105	12:00	61S	17:47	255	18:35
2025 Nov 03 (Mon)	05:25	06:13	105	12:00	61S	17:47	254	18:34
2025 Nov 04 (Tue)	05:25	06:13	106	12:00	60S	17:46	254	18:34
2025 Nov 05 (Wed)	05:26	06:14	106	12:00	60S	17:46	254	18:34
2025 Nov 06 (Thu)	05:26	06:14	106	12:00	60S	17:46	254	18:34
2025 Nov 07 (Fri)	05:26	06:14	107	12:00	59S	17:45	253	18:33
2025 Nov 08 (Sat)	05:27	06:15	107	12:00	59S	17:45	253	18:33
2025 Nov 09 (Sun)	05:27	06:15	107	12:00	59S	17:45	253	18:33
2025 Nov 10 (Mon)	05:27	06:16	108	12:00	58S	17:45	252	18:33
2025 Nov 11 (Tue)	05:28	06:16	108	12:00	58S	17:44	252	18:33
2025 Nov 12 (Wed)	05:28	06:16	108	12:00	58S	17:44	252	18:33
2025 Nov 13 (Thu)	05:29	06:17	108	12:01	58S	17:44	251	18:32
2025 Nov 14 (Fri)	05:29	06:17	109	12:01	57S	17:44	251	18:32
2025 Nov 15 (Sat)	05:29	06:18	109	12:01	57S	17:44	251	18:32
2025 Nov 16 (Sun)	05:30	06:18	109	12:01	57S	17:44	251	18:32
2025 Nov 17 (Mon)	05:30	06:19	109	12:01	57S	17:44	250	18:32
2025 Nov 18 (Tue)	05:31	06:19	110	12:01	56S	17:43	250	18:32
2025 Nov 19 (Wed)	05:31	06:20	110	12:02	56S	17:43	250	18:32

2025 Nov 20 (Thu)	05:31	06:20	110	12:02	56S	17:43	250	18:32
2025 Nov 21 (Fri)	05:32	06:21	110	12:02	56S	17:43	249	18:32
2025 Nov 22 (Sat)	05:32	06:21	111	12:02	55S	17:43	249	18:32
2025 Nov 23 (Sun)	05:33	06:22	111	12:03	55S	17:43	249	18:32
2025 Nov 24 (Mon)	05:33	06:22	111	12:03	55S	17:43	249	18:33
2025 Nov 25 (Tue)	05:34	06:23	111	12:03	55S	17:44	249	18:33
2025 Nov 26 (Wed)	05:34	06:23	111	12:04	55S	17:44	248	18:33
2025 Nov 27 (Thu)	05:35	06:24	112	12:04	54S	17:44	248	18:33
2025 Nov 28 (Fri)	05:35	06:25	112	12:04	54S	17:44	248	18:33
2025 Nov 29 (Sat)	05:36	06:25	112	12:05	54S	17:44	248	18:33
2025 Nov 30 (Sun)	05:36	06:26	112	12:05	54S	17:44	248	18:34
2025 Dec 01 (Mon)	05:37	06:26	112	12:05	54S	17:44	248	18:34
2025 Dec 02 (Tue)	05:37	06:27	113	12:06	54S	17:44	247	18:34
2025 Dec 03 (Wed)	05:38	06:27	113	12:06	54S	17:45	247	18:34
2025 Dec 04 (Thu)	05:38	06:28	113	12:06	53S	17:45	247	18:35
2025 Dec 05 (Fri)	05:39	06:28	113	12:07	53S	17:45	247	18:35
2025 Dec 06 (Sat)	05:39	06:29	113	12:07	53S	17:45	247	18:35
2025 Dec 07 (Sun)	05:40	06:30	113	12:08	53S	17:46	247	18:36
2025 Dec 08 (Mon)	05:40	06:30	113	12:08	53S	17:46	247	18:36
2025 Dec 09 (Tue)	05:41	06:31	113	12:09	53S	17:46	247	18:36
2025 Dec 10 (Wed)	05:41	06:31	114	12:09	53S	17:47	246	18:37
2025 Dec 11 (Thu)	05:42	06:32	114	12:09	53S	17:47	246	18:37
2025 Dec 12 (Fri)	05:42	06:32	114	12:10	53S	17:47	246	18:37
2025 Dec 13 (Sat)	05:43	06:33	114	12:10	52S	17:48	246	18:38
2025 Dec 14 (Sun)	05:43	06:34	114	12:11	52S	17:48	246	18:38
2025 Dec 15 (Mon)	05:44	06:34	114	12:11	52S	17:49	246	18:39
2025 Dec 16 (Tue)	05:45	06:35	114	12:12	52S	17:49	246	18:39
2025 Dec 17 (Wed)	05:45	06:35	114	12:12	52S	17:50	246	18:40
2025 Dec 18 (Thu)	05:46	06:36	114	12:13	52S	17:50	246	18:40
2025 Dec 19 (Fri)	05:46	06:36	114	12:13	52S	17:50	246	18:41
2025 Dec 20 (Sat)	05:47	06:37	114	12:14	52S	17:51	246	18:41
2025 Dec 21 (Sun)	05:47	06:37	114	12:14	52S	17:51	246	18:42
2025 Dec 22 (Mon)	05:48	06:38	114	12:15	52S	17:52	246	18:42
2025 Dec 23 (Tue)	05:48	06:38	114	12:15	52S	17:52	246	18:43
2025 Dec 24 (Wed)	05:49	06:39	114	12:16	52S	17:53	246	18:43
2025 Dec 25 (Thu)	05:49	06:39	114	12:16	52S	17:53	246	18:44
2025 Dec 26 (Fri)	05:50	06:40	114	12:17	52S	17:54	246	18:44
2025 Dec 27 (Sat)	05:50	06:40	114	12:17	52S	17:55	246	18:45
2025 Dec 28 (Sun)	05:50	06:40	114	12:18	52S	17:55	246	18:45
2025 Dec 29 (Mon)	05:51	06:41	114	12:18	52S	17:56	246	18:46
2025 Dec 30 (Tue)	05:51	06:41	114	12:19	52S	17:56	246	18:46
2025 Dec 31 (Wed)	05:52	06:42	114	12:19	53S	17:57	246	18:47

Sun

VTMM

Location: E100°56'00.0", N15°04'00.0", 250m
(Longitude referred to Greenwich meridian)

Time Zone: 7h 00m east of Greenwich

Date (Zone)	Begin Civil Twilight h m	Rise h m °	Az. °	Transit Alt. h m °	Set h m °	Az. °	End Civil Twilight h m	
2025 Jan 01 (Wed)	06:19	06:42	114	12:20	53S	17:58	246	18:21
2025 Jan 02 (Thu)	06:19	06:43	114	12:20	53S	17:58	247	18:21
2025 Jan 03 (Fri)	06:20	06:43	113	12:21	53S	17:59	247	18:22
2025 Jan 04 (Sat)	06:20	06:43	113	12:21	53S	17:59	247	18:22
2025 Jan 05 (Sun)	06:20	06:44	113	12:22	53S	18:00	247	18:23
2025 Jan 06 (Mon)	06:21	06:44	113	12:22	53S	18:00	247	18:24
2025 Jan 07 (Tue)	06:21	06:44	113	12:23	53S	18:01	247	18:24
2025 Jan 08 (Wed)	06:21	06:44	113	12:23	53S	18:02	247	18:25
2025 Jan 09 (Thu)	06:22	06:45	113	12:23	54S	18:02	247	18:25
2025 Jan 10 (Fri)	06:22	06:45	113	12:24	54S	18:03	248	18:26
2025 Jan 11 (Sat)	06:22	06:45	112	12:24	54S	18:03	248	18:26
2025 Jan 12 (Sun)	06:22	06:45	112	12:25	54S	18:04	248	18:27

2025	Jan	13	(Mon)	06:22	06:45	112	12:25	54S	18:05	248	18:28
2025	Jan	14	(Tue)	06:23	06:46	112	12:25	54S	18:05	248	18:28
2025	Jan	15	(Wed)	06:23	06:46	112	12:26	55S	18:06	248	18:29
2025	Jan	16	(Thu)	06:23	06:46	111	12:26	55S	18:06	249	18:29
2025	Jan	17	(Fri)	06:23	06:46	111	12:26	55S	18:07	249	18:30
2025	Jan	18	(Sat)	06:23	06:46	111	12:27	55S	18:07	249	18:30
2025	Jan	19	(Sun)	06:23	06:46	111	12:27	55S	18:08	249	18:31
2025	Jan	20	(Mon)	06:23	06:46	111	12:27	56S	18:09	249	18:31
2025	Jan	21	(Tue)	06:23	06:46	110	12:28	56S	18:09	250	18:32
2025	Jan	22	(Wed)	06:23	06:46	110	12:28	56S	18:10	250	18:32
2025	Jan	23	(Thu)	06:23	06:46	110	12:28	56S	18:10	250	18:33
2025	Jan	24	(Fri)	06:23	06:46	110	12:28	56S	18:11	250	18:33
2025	Jan	25	(Sat)	06:23	06:46	109	12:29	57S	18:11	251	18:34
2025	Jan	26	(Sun)	06:23	06:46	109	12:29	57S	18:12	251	18:34
2025	Jan	27	(Mon)	06:23	06:46	109	12:29	57S	18:12	251	18:35
2025	Jan	28	(Tue)	06:23	06:46	109	12:29	58S	18:13	252	18:35
2025	Jan	29	(Wed)	06:23	06:46	108	12:29	58S	18:13	252	18:36
2025	Jan	30	(Thu)	06:23	06:46	108	12:30	58S	18:14	252	18:36
2025	Jan	31	(Fri)	06:23	06:45	108	12:30	58S	18:14	252	18:37
2025	Feb	01	(Sat)	06:23	06:45	107	12:30	59S	18:15	253	18:37
2025	Feb	02	(Sun)	06:23	06:45	107	12:30	59S	18:15	253	18:37
2025	Feb	03	(Mon)	06:22	06:45	107	12:30	59S	18:16	253	18:38
2025	Feb	04	(Tue)	06:22	06:44	107	12:30	59S	18:16	254	18:38
2025	Feb	05	(Wed)	06:22	06:44	106	12:30	60S	18:16	254	18:39
2025	Feb	06	(Thu)	06:22	06:44	106	12:30	60S	18:17	254	18:39
2025	Feb	07	(Fri)	06:22	06:44	106	12:30	60S	18:17	255	18:39
2025	Feb	08	(Sat)	06:21	06:43	105	12:30	61S	18:18	255	18:40
2025	Feb	09	(Sun)	06:21	06:43	105	12:30	61S	18:18	255	18:40
2025	Feb	10	(Mon)	06:21	06:43	105	12:30	61S	18:18	256	18:40
2025	Feb	11	(Tue)	06:20	06:42	104	12:30	62S	18:19	256	18:41
2025	Feb	12	(Wed)	06:20	06:42	104	12:30	62S	18:19	256	18:41
2025	Feb	13	(Thu)	06:20	06:42	104	12:30	62S	18:20	257	18:41
2025	Feb	14	(Fri)	06:19	06:41	103	12:30	63S	18:20	257	18:42
2025	Feb	15	(Sat)	06:19	06:41	103	12:30	63S	18:20	257	18:42
2025	Feb	16	(Sun)	06:18	06:40	103	12:30	63S	18:21	258	18:42
2025	Feb	17	(Mon)	06:18	06:40	102	12:30	64S	18:21	258	18:43
2025	Feb	18	(Tue)	06:18	06:39	102	12:30	64S	18:21	258	18:43
2025	Feb	19	(Wed)	06:17	06:39	101	12:30	64S	18:21	259	18:43
2025	Feb	20	(Thu)	06:17	06:38	101	12:30	65S	18:22	259	18:43
2025	Feb	21	(Fri)	06:16	06:38	101	12:30	65S	18:22	259	18:44
2025	Feb	22	(Sat)	06:16	06:37	100	12:30	66S	18:22	260	18:44
2025	Feb	23	(Sun)	06:15	06:37	100	12:30	66S	18:23	260	18:44
2025	Feb	24	(Mon)	06:15	06:36	100	12:29	66S	18:23	261	18:44
2025	Feb	25	(Tue)	06:14	06:36	99	12:29	67S	18:23	261	18:45
2025	Feb	26	(Wed)	06:14	06:35	99	12:29	67S	18:23	261	18:45
2025	Feb	27	(Thu)	06:13	06:35	98	12:29	67S	18:24	262	18:45
2025	Feb	28	(Fri)	06:12	06:34	98	12:29	68S	18:24	262	18:45
2025	Mar	01	(Sat)	06:12	06:33	98	12:29	68S	18:24	263	18:46
2025	Mar	02	(Sun)	06:11	06:33	97	12:28	69S	18:24	263	18:46
2025	Mar	03	(Mon)	06:11	06:32	97	12:28	69S	18:24	263	18:46
2025	Mar	04	(Tue)	06:10	06:32	96	12:28	69S	18:25	264	18:46
2025	Mar	05	(Wed)	06:09	06:31	96	12:28	70S	18:25	264	18:46
2025	Mar	06	(Thu)	06:09	06:30	96	12:28	70S	18:25	265	18:46
2025	Mar	07	(Fri)	06:08	06:30	95	12:27	70S	18:25	265	18:47
2025	Mar	08	(Sat)	06:07	06:29	95	12:27	71S	18:25	265	18:47
2025	Mar	09	(Sun)	06:07	06:28	94	12:27	71S	18:26	266	18:47
2025	Mar	10	(Mon)	06:06	06:28	94	12:27	72S	18:26	266	18:47
2025	Mar	11	(Tue)	06:05	06:27	94	12:26	72S	18:26	267	18:47
2025	Mar	12	(Wed)	06:05	06:26	93	12:26	72S	18:26	267	18:47
2025	Mar	13	(Thu)	06:04	06:25	93	12:26	73S	18:26	267	18:48
2025	Mar	14	(Fri)	06:03	06:25	92	12:25	73S	18:26	268	18:48
2025	Mar	15	(Sat)	06:03	06:24	92	12:25	74S	18:26	268	18:48
2025	Mar	16	(Sun)	06:02	06:23	92	12:25	74S	18:27	269	18:48
2025	Mar	17	(Mon)	06:01	06:23	91	12:25	74S	18:27	269	18:48
2025	Mar	18	(Tue)	06:01	06:22	91	12:24	75S	18:27	269	18:48
2025	Mar	19	(Wed)	06:00	06:21	90	12:24	75S	18:27	270	18:48
2025	Mar	20	(Thu)	05:59	06:21	90	12:24	76S	18:27	270	18:49

2025 Mar 21 (Fri)	05:58	06:20	90	12:23	76S	18:27	271	18:49
2025 Mar 22 (Sat)	05:58	06:19	89	12:23	76S	18:27	271	18:49
2025 Mar 23 (Sun)	05:57	06:18	89	12:23	77S	18:28	271	18:49
2025 Mar 24 (Mon)	05:56	06:18	88	12:23	77S	18:28	272	18:49
2025 Mar 25 (Tue)	05:55	06:17	88	12:22	78S	18:28	272	18:49
2025 Mar 26 (Wed)	05:55	06:16	87	12:22	78S	18:28	273	18:49
2025 Mar 27 (Thu)	05:54	06:15	87	12:22	78S	18:28	273	18:49
2025 Mar 28 (Fri)	05:53	06:15	87	12:21	79S	18:28	274	18:50
2025 Mar 29 (Sat)	05:53	06:14	86	12:21	79S	18:28	274	18:50
2025 Mar 30 (Sun)	05:52	06:13	86	12:21	80S	18:28	274	18:50
2025 Mar 31 (Mon)	05:51	06:13	85	12:20	80S	18:28	275	18:50
2025 Apr 01 (Tue)	05:50	06:12	85	12:20	80S	18:29	275	18:50
2025 Apr 02 (Wed)	05:50	06:11	85	12:20	81S	18:29	276	18:50
2025 Apr 03 (Thu)	05:49	06:10	84	12:20	81S	18:29	276	18:50
2025 Apr 04 (Fri)	05:48	06:10	84	12:19	81S	18:29	276	18:51
2025 Apr 05 (Sat)	05:47	06:09	83	12:19	82S	18:29	277	18:51
2025 Apr 06 (Sun)	05:47	06:08	83	12:19	82S	18:29	277	18:51
2025 Apr 07 (Mon)	05:46	06:08	83	12:18	83S	18:29	277	18:51
2025 Apr 08 (Tue)	05:45	06:07	82	12:18	83S	18:30	278	18:51
2025 Apr 09 (Wed)	05:45	06:06	82	12:18	83S	18:30	278	18:51
2025 Apr 10 (Thu)	05:44	06:06	82	12:18	84S	18:30	279	18:52
2025 Apr 11 (Fri)	05:43	06:05	81	12:17	84S	18:30	279	18:52
2025 Apr 12 (Sat)	05:42	06:04	81	12:17	84S	18:30	279	18:52
2025 Apr 13 (Sun)	05:42	06:04	80	12:17	85S	18:30	280	18:52
2025 Apr 14 (Mon)	05:41	06:03	80	12:17	85S	18:30	280	18:52
2025 Apr 15 (Tue)	05:40	06:02	80	12:16	85S	18:31	281	18:52
2025 Apr 16 (Wed)	05:40	06:02	79	12:16	86S	18:31	281	18:53
2025 Apr 17 (Thu)	05:39	06:01	79	12:16	86S	18:31	281	18:53
2025 Apr 18 (Fri)	05:38	06:00	79	12:16	87S	18:31	282	18:53
2025 Apr 19 (Sat)	05:38	06:00	78	12:15	87S	18:31	282	18:53
2025 Apr 20 (Sun)	05:37	05:59	78	12:15	87S	18:31	282	18:53
2025 Apr 21 (Mon)	05:37	05:59	77	12:15	88S	18:32	283	18:54
2025 Apr 22 (Tue)	05:36	05:58	77	12:15	88S	18:32	283	18:54
2025 Apr 23 (Wed)	05:35	05:57	77	12:15	88S	18:32	283	18:54
2025 Apr 24 (Thu)	05:35	05:57	76	12:14	89S	18:32	284	18:54
2025 Apr 25 (Fri)	05:34	05:56	76	12:14	89S	18:32	284	18:55
2025 Apr 26 (Sat)	05:34	05:56	76	12:14	89S	18:33	284	18:55
2025 Apr 27 (Sun)	05:33	05:55	75	12:14	90S	18:33	285	18:55
2025 Apr 28 (Mon)	05:32	05:55	75	12:14	90S	18:33	285	18:55
2025 Apr 29 (Tue)	05:32	05:54	75	12:14	90S	18:33	285	18:56
2025 Apr 30 (Wed)	05:31	05:54	74	12:13	90S	18:33	286	18:56
2025 May 01 (Thu)	05:31	05:53	74	12:13	91N	18:34	286	18:56
2025 May 02 (Fri)	05:30	05:53	74	12:13	90N	18:34	286	18:56
2025 May 03 (Sat)	05:30	05:52	74	12:13	90N	18:34	287	18:57
2025 May 04 (Sun)	05:29	05:52	73	12:13	90N	18:34	287	18:57
2025 May 05 (Mon)	05:29	05:51	73	12:13	89N	18:35	287	18:57
2025 May 06 (Tue)	05:28	05:51	73	12:13	89N	18:35	288	18:58
2025 May 07 (Wed)	05:28	05:51	72	12:13	89N	18:35	288	18:58
2025 May 08 (Thu)	05:28	05:50	72	12:13	89N	18:36	288	18:58
2025 May 09 (Fri)	05:27	05:50	72	12:13	88N	18:36	288	18:58
2025 May 10 (Sat)	05:27	05:49	71	12:13	88N	18:36	289	18:59
2025 May 11 (Sun)	05:26	05:49	71	12:13	88N	18:36	289	18:59
2025 May 12 (Mon)	05:26	05:49	71	12:13	88N	18:37	289	18:59
2025 May 13 (Tue)	05:26	05:48	71	12:13	87N	18:37	289	19:00
2025 May 14 (Wed)	05:25	05:48	70	12:13	87N	18:37	290	19:00
2025 May 15 (Thu)	05:25	05:48	70	12:13	87N	18:38	290	19:00
2025 May 16 (Fri)	05:25	05:48	70	12:13	87N	18:38	290	19:01
2025 May 17 (Sat)	05:24	05:47	70	12:13	86N	18:38	290	19:01
2025 May 18 (Sun)	05:24	05:47	69	12:13	86N	18:38	291	19:01
2025 May 19 (Mon)	05:24	05:47	69	12:13	86N	18:39	291	19:02
2025 May 20 (Tue)	05:24	05:47	69	12:13	86N	18:39	291	19:02
2025 May 21 (Wed)	05:23	05:46	69	12:13	86N	18:39	291	19:03
2025 May 22 (Thu)	05:23	05:46	69	12:13	85N	18:40	291	19:03
2025 May 23 (Fri)	05:23	05:46	68	12:13	85N	18:40	292	19:03
2025 May 24 (Sat)	05:23	05:46	68	12:13	85N	18:40	292	19:04
2025 May 25 (Sun)	05:23	05:46	68	12:13	85N	18:41	292	19:04
2025 May 26 (Mon)	05:22	05:46	68	12:13	85N	18:41	292	19:04

2025 May 27 (Tue)	05:22	05:46	68	12:13	84N	18:41	292	19:05
2025 May 28 (Wed)	05:22	05:46	67	12:14	84N	18:42	293	19:05
2025 May 29 (Thu)	05:22	05:45	67	12:14	84N	18:42	293	19:05
2025 May 30 (Fri)	05:22	05:45	67	12:14	84N	18:42	293	19:06
2025 May 31 (Sat)	05:22	05:45	67	12:14	84N	18:43	293	19:06
2025 Jun 01 (Sun)	05:22	05:45	67	12:14	84N	18:43	293	19:06
2025 Jun 02 (Mon)	05:22	05:45	67	12:14	84N	18:43	293	19:07
2025 Jun 03 (Tue)	05:22	05:45	67	12:14	83N	18:44	293	19:07
2025 Jun 04 (Wed)	05:22	05:45	66	12:15	83N	18:44	294	19:08
2025 Jun 05 (Thu)	05:22	05:45	66	12:15	83N	18:44	294	19:08
2025 Jun 06 (Fri)	05:22	05:45	66	12:15	83N	18:45	294	19:08
2025 Jun 07 (Sat)	05:22	05:45	66	12:15	83N	18:45	294	19:09
2025 Jun 08 (Sun)	05:22	05:46	66	12:15	83N	18:45	294	19:09
2025 Jun 09 (Mon)	05:22	05:46	66	12:16	83N	18:46	294	19:09
2025 Jun 10 (Tue)	05:22	05:46	66	12:16	83N	18:46	294	19:09
2025 Jun 11 (Wed)	05:22	05:46	66	12:16	83N	18:46	294	19:10
2025 Jun 12 (Thu)	05:22	05:46	66	12:16	83N	18:46	294	19:10
2025 Jun 13 (Fri)	05:22	05:46	66	12:16	83N	18:47	294	19:10
2025 Jun 14 (Sat)	05:22	05:46	66	12:17	83N	18:47	294	19:11
2025 Jun 15 (Sun)	05:23	05:46	66	12:17	82N	18:47	294	19:11
2025 Jun 16 (Mon)	05:23	05:46	66	12:17	82N	18:48	294	19:11
2025 Jun 17 (Tue)	05:23	05:47	65	12:17	82N	18:48	295	19:11
2025 Jun 18 (Wed)	05:23	05:47	65	12:17	82N	18:48	295	19:12
2025 Jun 19 (Thu)	05:23	05:47	65	12:18	82N	18:48	295	19:12
2025 Jun 20 (Fri)	05:24	05:47	65	12:18	82N	18:48	295	19:12
2025 Jun 21 (Sat)	05:24	05:47	65	12:18	82N	18:49	295	19:12
2025 Jun 22 (Sun)	05:24	05:48	65	12:18	82N	18:49	295	19:13
2025 Jun 23 (Mon)	05:24	05:48	65	12:19	82N	18:49	295	19:13
2025 Jun 24 (Tue)	05:24	05:48	65	12:19	82N	18:49	295	19:13
2025 Jun 25 (Wed)	05:25	05:48	65	12:19	82N	18:49	295	19:13
2025 Jun 26 (Thu)	05:25	05:49	66	12:19	82N	18:50	294	19:13
2025 Jun 27 (Fri)	05:25	05:49	66	12:19	82N	18:50	294	19:13
2025 Jun 28 (Sat)	05:25	05:49	66	12:20	83N	18:50	294	19:14
2025 Jun 29 (Sun)	05:26	05:49	66	12:20	83N	18:50	294	19:14
2025 Jun 30 (Mon)	05:26	05:50	66	12:20	83N	18:50	294	19:14
2025 Jul 01 (Tue)	05:26	05:50	66	12:20	83N	18:50	294	19:14
2025 Jul 02 (Wed)	05:27	05:50	66	12:20	83N	18:50	294	19:14
2025 Jul 03 (Thu)	05:27	05:51	66	12:21	83N	18:50	294	19:14
2025 Jul 04 (Fri)	05:27	05:51	66	12:21	83N	18:51	294	19:14
2025 Jul 05 (Sat)	05:28	05:51	66	12:21	83N	18:51	294	19:14
2025 Jul 06 (Sun)	05:28	05:51	66	12:21	83N	18:51	294	19:14
2025 Jul 07 (Mon)	05:28	05:52	66	12:21	83N	18:51	294	19:14
2025 Jul 08 (Tue)	05:29	05:52	66	12:21	83N	18:51	293	19:14
2025 Jul 09 (Wed)	05:29	05:52	67	12:22	83N	18:51	293	19:14
2025 Jul 10 (Thu)	05:29	05:53	67	12:22	84N	18:51	293	19:14
2025 Jul 11 (Fri)	05:30	05:53	67	12:22	84N	18:51	293	19:14
2025 Jul 12 (Sat)	05:30	05:53	67	12:22	84N	18:51	293	19:14
2025 Jul 13 (Sun)	05:30	05:54	67	12:22	84N	18:50	293	19:14
2025 Jul 14 (Mon)	05:30	05:54	67	12:22	84N	18:50	293	19:14
2025 Jul 15 (Tue)	05:31	05:54	67	12:22	84N	18:50	292	19:14
2025 Jul 16 (Wed)	05:31	05:54	68	12:22	84N	18:50	292	19:13
2025 Jul 17 (Thu)	05:31	05:55	68	12:22	85N	18:50	292	19:13
2025 Jul 18 (Fri)	05:32	05:55	68	12:23	85N	18:50	292	19:13
2025 Jul 19 (Sat)	05:32	05:55	68	12:23	85N	18:50	292	19:13
2025 Jul 20 (Sun)	05:32	05:56	68	12:23	85N	18:50	292	19:13
2025 Jul 21 (Mon)	05:33	05:56	69	12:23	85N	18:49	291	19:12
2025 Jul 22 (Tue)	05:33	05:56	69	12:23	86N	18:49	291	19:12
2025 Jul 23 (Wed)	05:33	05:57	69	12:23	86N	18:49	291	19:12
2025 Jul 24 (Thu)	05:34	05:57	69	12:23	86N	18:49	291	19:12
2025 Jul 25 (Fri)	05:34	05:57	69	12:23	86N	18:48	290	19:11
2025 Jul 26 (Sat)	05:34	05:57	70	12:23	86N	18:48	290	19:11
2025 Jul 27 (Sun)	05:35	05:58	70	12:23	87N	18:48	290	19:11
2025 Jul 28 (Mon)	05:35	05:58	70	12:23	87N	18:48	290	19:10
2025 Jul 29 (Tue)	05:35	05:58	70	12:23	87N	18:47	290	19:10
2025 Jul 30 (Wed)	05:36	05:58	71	12:23	87N	18:47	289	19:10
2025 Jul 31 (Thu)	05:36	05:59	71	12:23	88N	18:47	289	19:09
2025 Aug 01 (Fri)	05:36	05:59	71	12:23	88N	18:46	289	19:09

2025	Aug	02	(Sat)	05:36	05:59	71	12:23	88N	18:46	289	19:08
2025	Aug	03	(Sun)	05:37	05:59	72	12:23	88N	18:45	288	19:08
2025	Aug	04	(Mon)	05:37	06:00	72	12:22	89N	18:45	288	19:08
2025	Aug	05	(Tue)	05:37	06:00	72	12:22	89N	18:45	288	19:07
2025	Aug	06	(Wed)	05:38	06:00	72	12:22	89N	18:44	287	19:07
2025	Aug	07	(Thu)	05:38	06:00	73	12:22	89N	18:44	287	19:06
2025	Aug	08	(Fri)	05:38	06:01	73	12:22	90N	18:43	287	19:06
2025	Aug	09	(Sat)	05:38	06:01	73	12:22	90N	18:43	287	19:05
2025	Aug	10	(Sun)	05:39	06:01	74	12:22	90N	18:42	286	19:05
2025	Aug	11	(Mon)	05:39	06:01	74	12:22	91N	18:42	286	19:04
2025	Aug	12	(Tue)	05:39	06:01	74	12:21	91S	18:41	286	19:03
2025	Aug	13	(Wed)	05:39	06:02	75	12:21	90S	18:41	285	19:03
2025	Aug	14	(Thu)	05:39	06:02	75	12:21	90S	18:40	285	19:02
2025	Aug	15	(Fri)	05:40	06:02	75	12:21	90S	18:40	285	19:02
2025	Aug	16	(Sat)	05:40	06:02	76	12:21	89S	18:39	284	19:01
2025	Aug	17	(Sun)	05:40	06:02	76	12:20	89S	18:38	284	19:01
2025	Aug	18	(Mon)	05:40	06:02	76	12:20	89S	18:38	284	19:00
2025	Aug	19	(Tue)	05:40	06:02	77	12:20	88S	18:37	283	18:59
2025	Aug	20	(Wed)	05:41	06:03	77	12:20	88S	18:37	283	18:59
2025	Aug	21	(Thu)	05:41	06:03	77	12:19	88S	18:36	283	18:58
2025	Aug	22	(Fri)	05:41	06:03	78	12:19	87S	18:35	282	18:57
2025	Aug	23	(Sat)	05:41	06:03	78	12:19	87S	18:35	282	18:57
2025	Aug	24	(Sun)	05:41	06:03	78	12:19	87S	18:34	282	18:56
2025	Aug	25	(Mon)	05:41	06:03	79	12:18	86S	18:33	281	18:55
2025	Aug	26	(Tue)	05:41	06:03	79	12:18	86S	18:33	281	18:55
2025	Aug	27	(Wed)	05:42	06:03	79	12:18	86S	18:32	280	18:54
2025	Aug	28	(Thu)	05:42	06:04	80	12:18	85S	18:31	280	18:53
2025	Aug	29	(Fri)	05:42	06:04	80	12:17	85S	18:31	280	18:52
2025	Aug	30	(Sat)	05:42	06:04	80	12:17	85S	18:30	279	18:52
2025	Aug	31	(Sun)	05:42	06:04	81	12:17	84S	18:29	279	18:51
2025	Sep	01	(Mon)	05:42	06:04	81	12:16	84S	18:28	279	18:50
2025	Sep	02	(Tue)	05:42	06:04	82	12:16	83S	18:28	278	18:49
2025	Sep	03	(Wed)	05:42	06:04	82	12:16	83S	18:27	278	18:49
2025	Sep	04	(Thu)	05:43	06:04	82	12:15	83S	18:26	277	18:48
2025	Sep	05	(Fri)	05:43	06:04	83	12:15	82S	18:26	277	18:47
2025	Sep	06	(Sat)	05:43	06:04	83	12:15	82S	18:25	277	18:46
2025	Sep	07	(Sun)	05:43	06:04	83	12:14	82S	18:24	276	18:46
2025	Sep	08	(Mon)	05:43	06:04	84	12:14	81S	18:23	276	18:45
2025	Sep	09	(Tue)	05:43	06:05	84	12:14	81S	18:23	276	18:44
2025	Sep	10	(Wed)	05:43	06:05	85	12:13	80S	18:22	275	18:43
2025	Sep	11	(Thu)	05:43	06:05	85	12:13	80S	18:21	275	18:42
2025	Sep	12	(Fri)	05:43	06:05	85	12:13	80S	18:20	274	18:42
2025	Sep	13	(Sat)	05:43	06:05	86	12:12	79S	18:19	274	18:41
2025	Sep	14	(Sun)	05:43	06:05	86	12:12	79S	18:19	274	18:40
2025	Sep	15	(Mon)	05:43	06:05	87	12:11	79S	18:18	273	18:39
2025	Sep	16	(Tue)	05:43	06:05	87	12:11	78S	18:17	273	18:39
2025	Sep	17	(Wed)	05:44	06:05	87	12:11	78S	18:16	272	18:38
2025	Sep	18	(Thu)	05:44	06:05	88	12:10	77S	18:16	272	18:37
2025	Sep	19	(Fri)	05:44	06:05	88	12:10	77S	18:15	272	18:36
2025	Sep	20	(Sat)	05:44	06:05	89	12:10	77S	18:14	271	18:35
2025	Sep	21	(Sun)	05:44	06:05	89	12:09	76S	18:13	271	18:35
2025	Sep	22	(Mon)	05:44	06:05	89	12:09	76S	18:12	270	18:34
2025	Sep	23	(Tue)	05:44	06:05	90	12:09	75S	18:12	270	18:33
2025	Sep	24	(Wed)	05:44	06:05	90	12:08	75S	18:11	270	18:32
2025	Sep	25	(Thu)	05:44	06:06	91	12:08	75S	18:10	269	18:32
2025	Sep	26	(Fri)	05:44	06:06	91	12:08	74S	18:09	269	18:31
2025	Sep	27	(Sat)	05:44	06:06	91	12:07	74S	18:09	268	18:30
2025	Sep	28	(Sun)	05:44	06:06	92	12:07	74S	18:08	268	18:29
2025	Sep	29	(Mon)	05:44	06:06	92	12:07	73S	18:07	268	18:29
2025	Sep	30	(Tue)	05:45	06:06	93	12:06	73S	18:06	267	18:28
2025	Oct	01	(Wed)	05:45	06:06	93	12:06	72S	18:06	267	18:27
2025	Oct	02	(Thu)	05:45	06:06	93	12:06	72S	18:05	266	18:26
2025	Oct	03	(Fri)	05:45	06:06	94	12:05	72S	18:04	266	18:26
2025	Oct	04	(Sat)	05:45	06:06	94	12:05	71S	18:03	266	18:25
2025	Oct	05	(Sun)	05:45	06:06	95	12:05	71S	18:03	265	18:24
2025	Oct	06	(Mon)	05:45	06:07	95	12:04	70S	18:02	265	18:24
2025	Oct	07	(Tue)	05:45	06:07	95	12:04	70S	18:01	264	18:23

2025	Oct	08	(Wed)	05:45	06:07	96	12:04	70S	18:01	264	18:22
2025	Oct	09	(Thu)	05:45	06:07	96	12:04	69S	18:00	264	18:21
2025	Oct	10	(Fri)	05:46	06:07	97	12:03	69S	17:59	263	18:21
2025	Oct	11	(Sat)	05:46	06:07	97	12:03	69S	17:59	263	18:20
2025	Oct	12	(Sun)	05:46	06:07	97	12:03	68S	17:58	262	18:20
2025	Oct	13	(Mon)	05:46	06:08	98	12:03	68S	17:57	262	18:19
2025	Oct	14	(Tue)	05:46	06:08	98	12:02	67S	17:57	262	18:18
2025	Oct	15	(Wed)	05:46	06:08	99	12:02	67S	17:56	261	18:18
2025	Oct	16	(Thu)	05:46	06:08	99	12:02	67S	17:55	261	18:17
2025	Oct	17	(Fri)	05:47	06:08	99	12:02	66S	17:55	260	18:16
2025	Oct	18	(Sat)	05:47	06:08	100	12:01	66S	17:54	260	18:16
2025	Oct	19	(Sun)	05:47	06:09	100	12:01	66S	17:54	260	18:15
2025	Oct	20	(Mon)	05:47	06:09	100	12:01	65S	17:53	259	18:15
2025	Oct	21	(Tue)	05:47	06:09	101	12:01	65S	17:53	259	18:14
2025	Oct	22	(Wed)	05:48	06:09	101	12:01	65S	17:52	259	18:14
2025	Oct	23	(Thu)	05:48	06:10	102	12:01	64S	17:51	258	18:13
2025	Oct	24	(Fri)	05:48	06:10	102	12:00	64S	17:51	258	18:13
2025	Oct	25	(Sat)	05:48	06:10	102	12:00	63S	17:50	258	18:12
2025	Oct	26	(Sun)	05:48	06:10	103	12:00	63S	17:50	257	18:12
2025	Oct	27	(Mon)	05:49	06:11	103	12:00	63S	17:49	257	18:11
2025	Oct	28	(Tue)	05:49	06:11	103	12:00	62S	17:49	256	18:11
2025	Oct	29	(Wed)	05:49	06:11	104	12:00	62S	17:49	256	18:11
2025	Oct	30	(Thu)	05:50	06:12	104	12:00	62S	17:48	256	18:10
2025	Oct	31	(Fri)	05:50	06:12	104	12:00	61S	17:48	255	18:10
2025	Nov	01	(Sat)	05:50	06:12	105	12:00	61S	17:47	255	18:09
2025	Nov	02	(Sun)	05:50	06:13	105	12:00	61S	17:47	255	18:09
2025	Nov	03	(Mon)	05:51	06:13	105	12:00	61S	17:47	254	18:09
2025	Nov	04	(Tue)	05:51	06:13	106	12:00	60S	17:46	254	18:08
2025	Nov	05	(Wed)	05:51	06:14	106	12:00	60S	17:46	254	18:08
2025	Nov	06	(Thu)	05:52	06:14	106	12:00	60S	17:46	254	18:08
2025	Nov	07	(Fri)	05:52	06:14	107	12:00	59S	17:45	253	18:08
2025	Nov	08	(Sat)	05:52	06:15	107	12:00	59S	17:45	253	18:07
2025	Nov	09	(Sun)	05:53	06:15	107	12:00	59S	17:45	253	18:07
2025	Nov	10	(Mon)	05:53	06:16	108	12:00	58S	17:45	252	18:07
2025	Nov	11	(Tue)	05:54	06:16	108	12:00	58S	17:44	252	18:07
2025	Nov	12	(Wed)	05:54	06:16	108	12:00	58S	17:44	252	18:07
2025	Nov	13	(Thu)	05:54	06:17	108	12:01	58S	17:44	251	18:07
2025	Nov	14	(Fri)	05:55	06:17	109	12:01	57S	17:44	251	18:06
2025	Nov	15	(Sat)	05:55	06:18	109	12:01	57S	17:44	251	18:06
2025	Nov	16	(Sun)	05:56	06:18	109	12:01	57S	17:44	251	18:06
2025	Nov	17	(Mon)	05:56	06:19	109	12:01	57S	17:44	250	18:06
2025	Nov	18	(Tue)	05:57	06:19	110	12:01	56S	17:43	250	18:06
2025	Nov	19	(Wed)	05:57	06:20	110	12:02	56S	17:43	250	18:06
2025	Nov	20	(Thu)	05:58	06:20	110	12:02	56S	17:43	250	18:06
2025	Nov	21	(Fri)	05:58	06:21	110	12:02	56S	17:43	249	18:06
2025	Nov	22	(Sat)	05:59	06:21	111	12:02	55S	17:43	249	18:06
2025	Nov	23	(Sun)	05:59	06:22	111	12:03	55S	17:43	249	18:06
2025	Nov	24	(Mon)	06:00	06:22	111	12:03	55S	17:43	249	18:06
2025	Nov	25	(Tue)	06:00	06:23	111	12:03	55S	17:44	249	18:06
2025	Nov	26	(Wed)	06:01	06:23	111	12:04	55S	17:44	248	18:06
2025	Nov	27	(Thu)	06:01	06:24	112	12:04	54S	17:44	248	18:07
2025	Nov	28	(Fri)	06:02	06:25	112	12:04	54S	17:44	248	18:07
2025	Nov	29	(Sat)	06:02	06:25	112	12:05	54S	17:44	248	18:07
2025	Nov	30	(Sun)	06:03	06:26	112	12:05	54S	17:44	248	18:07
2025	Dec	01	(Mon)	06:03	06:26	112	12:05	54S	17:44	248	18:07
2025	Dec	02	(Tue)	06:04	06:27	113	12:06	54S	17:44	247	18:08
2025	Dec	03	(Wed)	06:04	06:27	113	12:06	54S	17:45	247	18:08
2025	Dec	04	(Thu)	06:05	06:28	113	12:06	53S	17:45	247	18:08
2025	Dec	05	(Fri)	06:05	06:28	113	12:07	53S	17:45	247	18:08
2025	Dec	06	(Sat)	06:06	06:29	113	12:07	53S	17:45	247	18:09
2025	Dec	07	(Sun)	06:06	06:30	113	12:08	53S	17:46	247	18:09
2025	Dec	08	(Mon)	06:07	06:30	113	12:08	53S	17:46	247	18:09
2025	Dec	09	(Tue)	06:08	06:31	113	12:09	53S	17:46	247	18:10
2025	Dec	10	(Wed)	06:08	06:31	114	12:09	53S	17:47	246	18:10
2025	Dec	11	(Thu)	06:09	06:32	114	12:09	53S	17:47	246	18:10
2025	Dec	12	(Fri)	06:09	06:32	114	12:10	53S	17:47	246	18:11
2025	Dec	13	(Sat)	06:10	06:33	114	12:10	52S	17:48	246	18:11

2025	Dec 14	(Sun)	06:10	06:34	114	12:11	52S	17:48	246	18:11
2025	Dec 15	(Mon)	06:11	06:34	114	12:11	52S	17:49	246	18:12
2025	Dec 16	(Tue)	06:11	06:35	114	12:12	52S	17:49	246	18:12
2025	Dec 17	(Wed)	06:12	06:35	114	12:12	52S	17:50	246	18:13
2025	Dec 18	(Thu)	06:12	06:36	114	12:13	52S	17:50	246	18:13
2025	Dec 19	(Fri)	06:13	06:36	114	12:13	52S	17:50	246	18:14
2025	Dec 20	(Sat)	06:13	06:37	114	12:14	52S	17:51	246	18:14
2025	Dec 21	(Sun)	06:14	06:37	114	12:14	52S	17:51	246	18:15
2025	Dec 22	(Mon)	06:14	06:38	114	12:15	52S	17:52	246	18:15
2025	Dec 23	(Tue)	06:15	06:38	114	12:15	52S	17:52	246	18:16
2025	Dec 24	(Wed)	06:15	06:39	114	12:16	52S	17:53	246	18:16
2025	Dec 25	(Thu)	06:16	06:39	114	12:16	52S	17:53	246	18:17
2025	Dec 26	(Fri)	06:16	06:40	114	12:17	52S	17:54	246	18:17
2025	Dec 27	(Sat)	06:17	06:40	114	12:17	52S	17:55	246	18:18
2025	Dec 28	(Sun)	06:17	06:40	114	12:18	52S	17:55	246	18:18
2025	Dec 29	(Mon)	06:18	06:41	114	12:18	52S	17:56	246	18:19
2025	Dec 30	(Tue)	06:18	06:41	114	12:19	52S	17:56	246	18:19
2025	Dec 31	(Wed)	06:18	06:42	114	12:19	53S	17:57	246	18:20

Moon

VTMM

Location: E100°56'00.0", N15°04'00.0", 250m
(Longitude referred to Greenwich meridian)

Time Zone: 7h 00m east of Greenwich

Date (Zone)	Rise	Az.	Transit	Alt.	Set	Az.
	h	m	°	h	m	°
2025 Jan 01 (Wed)	07:52	117	13:34	50S	19:19	245
2025 Jan 02 (Thu)	08:42	113	14:29	54S	20:18	249
2025 Jan 03 (Fri)	09:28	108	15:20	60S	21:16	255
2025 Jan 04 (Sat)	10:10	101	16:09	66S	22:12	262
2025 Jan 05 (Sun)	10:50	94	16:57	73S	23:07	269
2025 Jan 06 (Mon)	11:30	87	17:44	80S		
2025 Jan 07 (Tue)	12:10	80	18:32	87S	00:02	276
2025 Jan 08 (Wed)	12:52	74	19:23	89N	00:58	283
2025 Jan 09 (Thu)	13:39	68	20:17	83N	01:57	289
2025 Jan 10 (Fri)	14:31	64	21:15	79N	02:59	294
2025 Jan 11 (Sat)	15:27	61	22:16	77N	04:02	298
2025 Jan 12 (Sun)	16:28	60	23:18	77N	05:06	299
2025 Jan 13 (Mon)	17:30	62			06:06	299
2025 Jan 14 (Tue)	18:31	65	00:17	79N	07:01	297
2025 Jan 15 (Wed)	19:28	70	01:12	83N	07:50	293
2025 Jan 16 (Thu)	20:21	75	02:02	87N	08:33	288
2025 Jan 17 (Fri)	21:11	81	02:48	89S	09:12	282
2025 Jan 18 (Sat)	21:58	87	03:31	83S	09:47	276
2025 Jan 19 (Sun)	22:44	93	04:11	77S	10:20	270
2025 Jan 20 (Mon)	23:30	99	04:50	71S	10:53	264
2025 Jan 21 (Tue)			05:30	65S	11:26	258
2025 Jan 22 (Wed)	00:16	105	06:11	60S	12:02	253
2025 Jan 23 (Thu)	01:05	110	06:54	55S	12:40	248
2025 Jan 24 (Fri)	01:57	114	07:41	51S	13:23	244
2025 Jan 25 (Sat)	02:51	117	08:32	48S	14:11	242
2025 Jan 26 (Sun)	03:47	119	09:26	47S	15:05	240
2025 Jan 27 (Mon)	04:44	120	10:23	47S	16:03	241
2025 Jan 28 (Tue)	05:40	118	11:21	49S	17:04	243
2025 Jan 29 (Wed)	06:33	115	12:18	52S	18:05	247
2025 Jan 30 (Thu)	07:21	110	13:12	57S	19:05	253
2025 Jan 31 (Fri)	08:06	104	14:03	64S	20:04	260
2025 Feb 01 (Sat)	08:48	97	14:52	71S	21:00	267
2025 Feb 02 (Sun)	09:29	89	15:41	78S	21:57	274
2025 Feb 03 (Mon)	10:09	82	16:29	85S	22:53	281
2025 Feb 04 (Tue)	10:51	75	17:20	90N	23:52	288
2025 Feb 05 (Wed)	11:37	69	18:13	84N		
2025 Feb 06 (Thu)	12:26	65	19:09	80N	00:52	293

2025 Feb 07 (Fri)	13:21	62	20:08	78N	01:55	297
2025 Feb 08 (Sat)	14:19	60	21:08	77N	02:57	299
2025 Feb 09 (Sun)	15:19	61	22:07	78N	03:58	300
2025 Feb 10 (Mon)	16:19	64	23:03	81N	04:53	298
2025 Feb 11 (Tue)	17:17	68	23:54	85N	05:44	294
2025 Feb 12 (Wed)	18:11	73			06:28	290
2025 Feb 13 (Thu)	19:02	78	00:41	90N	07:08	284
2025 Feb 14 (Fri)	19:50	84	01:25	85S	07:44	279
2025 Feb 15 (Sat)	20:37	91	02:06	79S	08:18	272
2025 Feb 16 (Sun)	21:23	97	02:46	73S	08:51	266
2025 Feb 17 (Mon)	22:09	103	03:25	67S	09:24	260
2025 Feb 18 (Tue)	22:57	108	04:06	62S	09:59	255
2025 Feb 19 (Wed)	23:47	113	04:48	57S	10:36	250
2025 Feb 20 (Thu)			05:33	52S	11:16	246
2025 Feb 21 (Fri)	00:39	116	06:21	49S	12:01	242
2025 Feb 22 (Sat)	01:34	119	07:13	47S	12:52	241
2025 Feb 23 (Sun)	02:30	120	08:08	46S	13:47	240
2025 Feb 24 (Mon)	03:26	119	09:05	47S	14:46	242
2025 Feb 25 (Tue)	04:19	117	10:02	50S	15:47	245
2025 Feb 26 (Wed)	05:10	112	10:57	55S	16:47	250
2025 Feb 27 (Thu)	05:56	107	11:50	60S	17:47	256
2025 Feb 28 (Fri)	06:40	100	12:41	67S	18:46	263
2025 Mar 01 (Sat)	07:22	93	13:31	75S	19:44	271
2025 Mar 02 (Sun)	08:04	85	14:21	82S	20:43	279
2025 Mar 03 (Mon)	08:47	78	15:13	89S	21:43	286
2025 Mar 04 (Tue)	09:33	71	16:07	86N	22:45	292
2025 Mar 05 (Wed)	10:22	66	17:03	81N	23:48	296
2025 Mar 06 (Thu)	11:16	62	18:03	78N		
2025 Mar 07 (Fri)	12:14	60	19:03	77N	00:51	299
2025 Mar 08 (Sat)	13:13	61	20:02	78N	01:53	300
2025 Mar 09 (Sun)	14:13	63	20:58	80N	02:50	299
2025 Mar 10 (Mon)	15:11	66	21:50	84N	03:41	296
2025 Mar 11 (Tue)	16:05	71	22:38	88N	04:26	292
2025 Mar 12 (Wed)	16:57	76	23:22	87S	05:07	286
2025 Mar 13 (Thu)	17:45	82			05:44	281
2025 Mar 14 (Fri)	18:32	88	00:03	82S	06:18	275
2025 Mar 15 (Sat)	19:18	95	00:43	75S	06:51	269
2025 Mar 16 (Sun)	20:04	101	01:23	70S	07:24	262
2025 Mar 17 (Mon)	20:51	106	02:03	64S	07:58	257
2025 Mar 18 (Tue)	21:40	111	02:44	59S	08:34	252
2025 Mar 19 (Wed)	22:32	115	03:28	54S	09:13	247
2025 Mar 20 (Thu)	23:25	118	04:15	50S	09:56	243
2025 Mar 21 (Fri)			05:05	48S	10:43	241
2025 Mar 22 (Sat)	00:19	120	05:57	46S	11:35	240
2025 Mar 23 (Sun)	01:14	120	06:52	47S	12:31	241
2025 Mar 24 (Mon)	02:07	118	07:48	49S	13:30	243
2025 Mar 25 (Tue)	02:58	115	08:42	52S	14:29	247
2025 Mar 26 (Wed)	03:45	110	09:35	57S	15:28	253
2025 Mar 27 (Thu)	04:29	104	10:26	64S	16:27	260
2025 Mar 28 (Fri)	05:12	97	11:17	71S	17:25	267
2025 Mar 29 (Sat)	05:54	89	12:07	78S	18:25	275
2025 Mar 30 (Sun)	06:37	81	12:59	86S	19:25	282
2025 Mar 31 (Mon)	07:23	74	13:53	89N	20:28	289
2025 Apr 01 (Tue)	08:12	68	14:51	83N	21:34	295
2025 Apr 02 (Wed)	09:06	63	15:52	79N	22:40	298
2025 Apr 03 (Thu)	10:05	61	16:54	77N	23:44	300
2025 Apr 04 (Fri)	11:06	60	17:56	77N		
2025 Apr 05 (Sat)	12:07	62	18:54	79N	00:44	299
2025 Apr 06 (Sun)	13:06	65	19:47	82N	01:38	297
2025 Apr 07 (Mon)	14:02	69	20:36	87N	02:26	293
2025 Apr 08 (Tue)	14:54	74	21:21	89S	03:07	288
2025 Apr 09 (Wed)	15:43	80	22:03	83S	03:45	283
2025 Apr 10 (Thu)	16:29	86	22:43	77S	04:20	277
2025 Apr 11 (Fri)	17:15	92	23:22	72S	04:53	271
2025 Apr 12 (Sat)	18:01	99			05:25	265
2025 Apr 13 (Sun)	18:48	104	00:01	66S	05:59	259
2025 Apr 14 (Mon)	19:36	109	00:42	60S	06:34	253

2025 Apr 15 (Tue)	20:26 114	01:25 55S	07:12 249
2025 Apr 16 (Wed)	21:19 117	02:11 51S	07:53 245
2025 Apr 17 (Thu)	22:13 119	03:00 48S	08:39 242
2025 Apr 18 (Fri)	23:07 120	03:51 47S	09:29 240
2025 Apr 19 (Sat)	24:00 119	04:45 46S	10:23 240
2025 Apr 20 (Sun)		05:39 48S	11:19 242
2025 Apr 21 (Mon)	00:50 116	06:32 51S	12:17 246
2025 Apr 22 (Tue)	01:37 112	07:24 55S	13:14 250
2025 Apr 23 (Wed)	02:21 107	08:14 61S	14:11 256
2025 Apr 24 (Thu)	03:03 100	09:03 67S	15:08 263
2025 Apr 25 (Fri)	03:44 93	09:53 74S	16:05 271
2025 Apr 26 (Sat)	04:26 85	10:43 82S	17:04 278
2025 Apr 27 (Sun)	05:10 78	11:36 89S	18:06 286
2025 Apr 28 (Mon)	05:58 71	12:32 86N	19:11 292
2025 Apr 29 (Tue)	06:51 66	13:33 81N	20:19 297
2025 Apr 30 (Wed)	07:49 62	14:37 78N	21:27 299
2025 May 01 (Thu)	08:51 60	15:42 77N	22:32 300
2025 May 02 (Fri)	09:55 61	16:44 78N	23:30 298
2025 May 03 (Sat)	10:57 64	17:41 81N	
2025 May 04 (Sun)	11:55 68	18:32 85N	00:21 294
2025 May 05 (Mon)	12:49 73	19:19 91N	01:06 290
2025 May 06 (Tue)	13:40 78	20:02 85S	01:45 284
2025 May 07 (Wed)	14:27 84	20:43 79S	02:21 278
2025 May 08 (Thu)	15:13 91	21:22 73S	02:55 272
2025 May 09 (Fri)	15:59 97	22:01 68S	03:27 266
2025 May 10 (Sat)	16:45 102	22:41 62S	04:00 261
2025 May 11 (Sun)	17:33 108	23:23 57S	04:35 255
2025 May 12 (Mon)	18:22 112		05:12 250
2025 May 13 (Tue)	19:14 116	00:08 53S	05:52 246
2025 May 14 (Wed)	20:08 119	00:56 49S	06:37 243
2025 May 15 (Thu)	21:02 120	01:47 47S	07:26 241
2025 May 16 (Fri)	21:55 119	02:40 47S	08:19 240
2025 May 17 (Sat)	22:46 117	03:34 47S	09:14 242
2025 May 18 (Sun)	23:33 113	04:27 50S	10:11 244
2025 May 19 (Mon)		05:19 54S	11:07 249
2025 May 20 (Tue)	00:17 109	06:08 59S	12:02 254
2025 May 21 (Wed)	00:59 103	06:56 65S	12:57 261
2025 May 22 (Thu)	01:38 96	07:43 71S	13:52 268
2025 May 23 (Fri)	02:18 89	08:31 78S	14:48 275
2025 May 24 (Sat)	03:00 81	09:21 86S	15:47 282
2025 May 25 (Sun)	03:44 74	10:15 89N	16:49 289
2025 May 26 (Mon)	04:34 68	11:13 83N	17:55 294
2025 May 27 (Tue)	05:30 64	12:15 79N	19:04 298
2025 May 28 (Wed)	06:31 61	13:21 77N	20:12 299
2025 May 29 (Thu)	07:36 61	14:26 78N	21:15 299
2025 May 30 (Fri)	08:41 62	15:27 80N	22:11 296
2025 May 31 (Sat)	09:43 66	16:23 84N	23:00 291
2025 Jun 01 (Sun)	10:40 71	17:13 89N	23:42 286
2025 Jun 02 (Mon)	11:33 77	17:58 87S	
2025 Jun 03 (Tue)	12:23 83	18:40 81S	00:20 280
2025 Jun 04 (Wed)	13:09 89	19:20 75S	00:55 274
2025 Jun 05 (Thu)	13:55 95	20:00 69S	01:28 268
2025 Jun 06 (Fri)	14:41 101	20:40 64S	02:01 262
2025 Jun 07 (Sat)	15:28 106	21:21 58S	02:35 257
2025 Jun 08 (Sun)	16:18 111	22:05 54S	03:11 252
2025 Jun 09 (Mon)	17:09 115	22:52 50S	03:50 247
2025 Jun 10 (Tue)	18:03 118	23:43 48S	04:34 244
2025 Jun 11 (Wed)	18:57 119		05:22 241
2025 Jun 12 (Thu)	19:51 119	00:36 47S	06:14 240
2025 Jun 13 (Fri)	20:43 118	01:30 47S	07:09 241
2025 Jun 14 (Sat)	21:31 114	02:24 49S	08:06 244
2025 Jun 15 (Sun)	22:16 110	03:16 52S	09:03 248
2025 Jun 16 (Mon)	22:58 104	04:06 57S	09:58 253
2025 Jun 17 (Tue)	23:37 98	04:53 63S	10:52 259
2025 Jun 18 (Wed)		05:40 69S	11:46 265
2025 Jun 19 (Thu)	00:16 91	06:26 76S	12:40 272
2025 Jun 20 (Fri)	00:56 84	07:13 83S	13:35 280

2025 Jun 21 (Sat)	01:37 77	08:04 90S	14:34 286
2025 Jun 22 (Sun)	02:23 71	08:58 86N	15:37 292
2025 Jun 23 (Mon)	03:14 66	09:57 81N	16:43 297
2025 Jun 24 (Tue)	04:12 62	11:00 78N	17:50 299
2025 Jun 25 (Wed)	05:15 61	12:06 77N	18:56 299
2025 Jun 26 (Thu)	06:21 61	13:09 79N	19:56 297
2025 Jun 27 (Fri)	07:25 64	14:09 82N	20:49 294
2025 Jun 28 (Sat)	08:26 69	15:02 86N	21:35 289
2025 Jun 29 (Sun)	09:22 74	15:51 89S	22:15 283
2025 Jun 30 (Mon)	10:14 80	16:35 83S	22:52 277
2025 Jul 01 (Tue)	11:03 86	17:16 77S	23:27 270
2025 Jul 02 (Wed)	11:50 93	17:56 71S	24:00 264
2025 Jul 03 (Thu)	12:36 99	18:36 66S	
2025 Jul 04 (Fri)	13:23 104	19:17 60S	00:34 259
2025 Jul 05 (Sat)	14:11 109	20:00 55S	01:09 253
2025 Jul 06 (Sun)	15:02 114	20:46 51S	01:47 248
2025 Jul 07 (Mon)	15:55 117	21:36 48S	02:29 245
2025 Jul 08 (Tue)	16:49 119	22:28 47S	03:15 242
2025 Jul 09 (Wed)	17:44 120	23:22 47S	04:06 241
2025 Jul 10 (Thu)	18:37 118		05:01 241
2025 Jul 11 (Fri)	19:28 116	00:17 48S	05:59 243
2025 Jul 12 (Sat)	20:14 111	01:11 51S	06:56 246
2025 Jul 13 (Sun)	20:57 106	02:02 56S	07:53 251
2025 Jul 14 (Mon)	21:38 100	02:51 61S	08:48 257
2025 Jul 15 (Tue)	22:17 93	03:38 67S	09:42 264
2025 Jul 16 (Wed)	22:55 86	04:24 74S	10:36 271
2025 Jul 17 (Thu)	23:36 79	05:11 81S	11:30 278
2025 Jul 18 (Fri)		05:59 88S	12:27 284
2025 Jul 19 (Sat)	00:19 73	06:51 87N	13:27 290
2025 Jul 20 (Sun)	01:07 67	07:47 82N	14:30 295
2025 Jul 21 (Mon)	02:01 63	08:47 79N	15:35 298
2025 Jul 22 (Tue)	03:00 61	09:50 77N	16:40 300
2025 Jul 23 (Wed)	04:03 61	10:53 78N	17:41 298
2025 Jul 24 (Thu)	05:08 63	11:54 80N	18:37 295
2025 Jul 25 (Fri)	06:10 67	12:50 84N	19:26 291
2025 Jul 26 (Sat)	07:09 72	13:41 89N	20:09 285
2025 Jul 27 (Sun)	08:03 78	14:27 86S	20:48 279
2025 Jul 28 (Mon)	08:54 84	15:10 80S	21:23 273
2025 Jul 29 (Tue)	09:42 90	15:51 74S	21:57 267
2025 Jul 30 (Wed)	10:29 96	16:32 68S	22:31 261
2025 Jul 31 (Thu)	11:16 102	17:12 62S	23:06 255
2025 Aug 01 (Fri)	12:04 108	17:55 57S	23:43 250
2025 Aug 02 (Sat)	12:54 112	18:40 53S	
2025 Aug 03 (Sun)	13:45 116	19:27 49S	00:23 246
2025 Aug 04 (Mon)	14:39 119	20:18 47S	01:08 243
2025 Aug 05 (Tue)	15:34 120	21:12 46S	01:57 241
2025 Aug 06 (Wed)	16:28 119	22:07 47S	02:50 240
2025 Aug 07 (Thu)	17:20 117	23:01 50S	03:47 242
2025 Aug 08 (Fri)	18:08 113	23:54 54S	04:45 245
2025 Aug 09 (Sat)	18:53 108		05:43 249
2025 Aug 10 (Sun)	19:35 102	00:45 59S	06:40 255
2025 Aug 11 (Mon)	20:16 95	01:34 65S	07:36 261
2025 Aug 12 (Tue)	20:55 88	02:21 72S	08:31 268
2025 Aug 13 (Wed)	21:35 81	03:08 79S	09:26 276
2025 Aug 14 (Thu)	22:18 74	03:57 86S	10:22 283
2025 Aug 15 (Fri)	23:04 68	04:48 89N	11:21 289
2025 Aug 16 (Sat)	23:56 64	05:42 84N	12:23 294
2025 Aug 17 (Sun)		06:40 80N	13:27 298
2025 Aug 18 (Mon)	00:52 61	07:41 77N	14:31 300
2025 Aug 19 (Tue)	01:53 60	08:43 77N	15:32 299
2025 Aug 20 (Wed)	02:56 62	09:43 79N	16:29 297
2025 Aug 21 (Thu)	03:58 65	10:40 82N	17:19 293
2025 Aug 22 (Fri)	04:57 69	11:32 87N	18:04 288
2025 Aug 23 (Sat)	05:52 75	12:20 89S	18:44 282
2025 Aug 24 (Sun)	06:44 81	13:04 83S	19:20 276
2025 Aug 25 (Mon)	07:33 88	13:46 76S	19:55 269
2025 Aug 26 (Tue)	08:21 94	14:27 70S	20:29 263

2025 Aug 27 (Wed)	09:08 100	15:08 64S	21:04 257
2025 Aug 28 (Thu)	09:56 106	15:49 59S	21:40 252
2025 Aug 29 (Fri)	10:45 111	16:33 54S	22:19 247
2025 Aug 30 (Sat)	11:36 115	17:20 50S	23:01 244
2025 Aug 31 (Sun)	12:29 118	18:09 48S	23:48 241
2025 Sep 01 (Mon)	13:23 119	19:01 47S	
2025 Sep 02 (Tue)	14:17 120	19:55 47S	00:39 240
2025 Sep 03 (Wed)	15:09 118	20:49 48S	01:33 241
2025 Sep 04 (Thu)	15:59 115	21:42 52S	02:30 243
2025 Sep 05 (Fri)	16:45 111	22:34 56S	03:28 247
2025 Sep 06 (Sat)	17:29 105	23:24 62S	04:26 252
2025 Sep 07 (Sun)	18:10 98		05:23 258
2025 Sep 08 (Mon)	18:51 91	00:13 69S	06:19 265
2025 Sep 09 (Tue)	19:32 84	01:01 76S	07:15 273
2025 Sep 10 (Wed)	20:14 77	01:50 83S	08:13 280
2025 Sep 11 (Thu)	21:01 70	02:42 90S	09:13 287
2025 Sep 12 (Fri)	21:51 65	03:36 85N	10:15 293
2025 Sep 13 (Sat)	22:47 62	04:34 81N	11:20 297
2025 Sep 14 (Sun)	23:47 60	05:35 78N	12:25 299
2025 Sep 15 (Mon)		06:37 77N	13:27 300
2025 Sep 16 (Tue)	00:49 61	07:38 78N	14:24 298
2025 Sep 17 (Wed)	01:51 64	08:35 81N	15:16 294
2025 Sep 18 (Thu)	02:50 68	09:27 85N	16:01 290
2025 Sep 19 (Fri)	03:45 73	10:16 91N	16:42 284
2025 Sep 20 (Sat)	04:38 79	11:00 85S	17:19 278
2025 Sep 21 (Sun)	05:27 85	11:42 79S	17:54 272
2025 Sep 22 (Mon)	06:15 91	12:23 72S	18:28 265
2025 Sep 23 (Tue)	07:02 98	13:04 66S	19:02 259
2025 Sep 24 (Wed)	07:50 104	13:45 61S	19:38 254
2025 Sep 25 (Thu)	08:38 109	14:28 56S	20:15 249
2025 Sep 26 (Fri)	09:29 113	15:14 52S	20:56 245
2025 Sep 27 (Sat)	10:20 117	16:02 49S	21:41 242
2025 Sep 28 (Sun)	11:13 119	16:52 47S	22:30 241
2025 Sep 29 (Mon)	12:07 120	17:44 46S	23:22 240
2025 Sep 30 (Tue)	12:59 119	18:37 47S	
2025 Oct 01 (Wed)	13:48 117	19:30 50S	00:17 242
2025 Oct 02 (Thu)	14:35 113	20:21 54S	01:14 245
2025 Oct 03 (Fri)	15:19 108	21:11 59S	02:10 249
2025 Oct 04 (Sat)	16:01 102	22:00 66S	03:07 255
2025 Oct 05 (Sun)	16:42 95	22:49 73S	04:03 262
2025 Oct 06 (Mon)	17:23 87	23:38 80S	04:59 269
2025 Oct 07 (Tue)	18:06 80		05:57 276
2025 Oct 08 (Wed)	18:52 73	00:29 87S	06:57 284
2025 Oct 09 (Thu)	19:42 67	01:24 88N	08:00 290
2025 Oct 10 (Fri)	20:38 63	02:23 82N	09:06 295
2025 Oct 11 (Sat)	21:39 61	03:25 79N	10:14 299
2025 Oct 12 (Sun)	22:42 61	04:29 77N	11:19 300
2025 Oct 13 (Mon)	23:45 63	05:31 78N	12:19 298
2025 Oct 14 (Tue)		06:31 80N	13:13 296
2025 Oct 15 (Wed)	00:45 66	07:25 84N	14:01 291
2025 Oct 16 (Thu)	01:42 71	08:14 89N	14:42 286
2025 Oct 17 (Fri)	02:34 77	08:59 87S	15:20 280
2025 Oct 18 (Sat)	03:24 83	09:41 81S	15:55 274
2025 Oct 19 (Sun)	04:12 89	10:22 75S	16:29 268
2025 Oct 20 (Mon)	04:58 96	11:02 69S	17:03 262
2025 Oct 21 (Tue)	05:45 101	11:43 63S	17:38 256
2025 Oct 22 (Wed)	06:33 107	12:25 58S	18:14 251
2025 Oct 23 (Thu)	07:23 112	13:10 53S	18:54 246
2025 Oct 24 (Fri)	08:14 116	13:57 50S	19:38 243
2025 Oct 25 (Sat)	09:07 118	14:46 48S	20:25 241
2025 Oct 26 (Sun)	10:00 119	15:38 47S	21:15 240
2025 Oct 27 (Mon)	10:52 119	16:30 47S	22:09 241
2025 Oct 28 (Tue)	11:41 118	17:22 49S	23:04 244
2025 Oct 29 (Wed)	12:28 115	18:12 52S	23:58 247
2025 Oct 30 (Thu)	13:12 110	19:01 57S	
2025 Oct 31 (Fri)	13:53 105	19:49 63S	00:53 252
2025 Nov 01 (Sat)	14:33 98	20:36 69S	01:47 258

2025 Nov 02 (Sun)	15:13	91	21:23	76S	02:42	265
2025 Nov 03 (Mon)	15:54	84	22:13	83S	03:38	273
2025 Nov 04 (Tue)	16:38	77	23:06	90S	04:36	280
2025 Nov 05 (Wed)	17:27	70			05:38	287
2025 Nov 06 (Thu)	18:21	65	00:03	85N	06:44	293
2025 Nov 07 (Fri)	19:22	62	01:06	80N	07:53	297
2025 Nov 08 (Sat)	20:27	61	02:11	78N	09:02	299
2025 Nov 09 (Sun)	21:33	62	03:18	77N	10:07	299
2025 Nov 10 (Mon)	22:37	65	04:21	79N	11:06	297
2025 Nov 11 (Tue)	23:36	70	05:18	83N	11:57	293
2025 Nov 12 (Wed)			06:10	87N	12:41	287
2025 Nov 13 (Thu)	00:30	75	06:57	88S	13:21	282
2025 Nov 14 (Fri)	01:21	81	07:41	82S	13:57	276
2025 Nov 15 (Sat)	02:09	88	08:22	76S	14:31	269
2025 Nov 16 (Sun)	02:56	94	09:02	70S	15:04	263
2025 Nov 17 (Mon)	03:43	100	09:42	65S	15:39	258
2025 Nov 18 (Tue)	04:30	105	10:24	59S	16:14	252
2025 Nov 19 (Wed)	05:19	110	11:07	55S	16:53	248
2025 Nov 20 (Thu)	06:10	114	11:54	51S	17:36	244
2025 Nov 21 (Fri)	07:02	117	12:42	48S	18:22	242
2025 Nov 22 (Sat)	07:55	119	13:33	47S	19:11	241
2025 Nov 23 (Sun)	08:47	119	14:25	47S	20:04	241
2025 Nov 24 (Mon)	09:38	118	15:17	48S	20:58	243
2025 Nov 25 (Tue)	10:25	115	16:08	51S	21:52	246
2025 Nov 26 (Wed)	11:09	112	16:56	55S	22:46	251
2025 Nov 27 (Thu)	11:50	107	17:43	61S	23:38	256
2025 Nov 28 (Fri)	12:29	101	18:28	67S		
2025 Nov 29 (Sat)	13:07	94	19:13	73S	00:31	263
2025 Nov 30 (Sun)	13:46	87	20:00	80S	01:24	269
2025 Dec 01 (Mon)	14:27	80	20:49	87S	02:18	276
2025 Dec 02 (Tue)	15:12	73	21:43	88N	03:17	283
2025 Dec 03 (Wed)	16:02	68	22:42	83N	04:19	290
2025 Dec 04 (Thu)	17:00	63	23:47	79N	05:26	295
2025 Dec 05 (Fri)	18:04	61			06:36	298
2025 Dec 06 (Sat)	19:11	61	00:54	77N	07:45	299
2025 Dec 07 (Sun)	20:19	64	02:01	78N	08:49	298
2025 Dec 08 (Mon)	21:22	68	03:04	81N	09:46	294
2025 Dec 09 (Tue)	22:21	73	04:00	86N	10:35	289
2025 Dec 10 (Wed)	23:15	79	04:51	90S	11:17	284
2025 Dec 11 (Thu)			05:37	84S	11:56	278
2025 Dec 12 (Fri)	00:05	86	06:20	78S	12:31	271
2025 Dec 13 (Sat)	00:53	92	07:01	72S	13:05	265
2025 Dec 14 (Sun)	01:40	98	07:41	66S	13:39	259
2025 Dec 15 (Mon)	02:27	104	08:22	61S	14:14	254
2025 Dec 16 (Tue)	03:15	109	09:05	56S	14:52	249
2025 Dec 17 (Wed)	04:05	113	09:50	52S	15:33	245
2025 Dec 18 (Thu)	04:57	117	10:38	49S	16:18	242
2025 Dec 19 (Fri)	05:50	119	11:29	47S	17:07	241
2025 Dec 20 (Sat)	06:43	119	12:21	47S	18:00	241
2025 Dec 21 (Sun)	07:34	119	13:13	48S	18:54	242
2025 Dec 22 (Mon)	08:23	116	14:05	50S	19:48	245
2025 Dec 23 (Tue)	09:08	113	14:54	54S	20:42	249
2025 Dec 24 (Wed)	09:49	108	15:41	59S	21:35	255
2025 Dec 25 (Thu)	10:29	102	16:26	65S	22:26	261
2025 Dec 26 (Fri)	11:06	96	17:10	71S	23:18	267
2025 Dec 27 (Sat)	11:43	89	17:55	78S		
2025 Dec 28 (Sun)	12:22	83	18:41	84S	00:10	274
2025 Dec 29 (Mon)	13:03	76	19:31	91N	01:04	281
2025 Dec 30 (Tue)	13:49	70	20:25	85N	02:02	287
2025 Dec 31 (Wed)	14:41	65	21:25	80N	03:05	293